

Set	Items	Description
S1	32051	AU=(KIMURA, T? OR KIMURA T? OR TOMOKO(2N)KIMURA)
S2	170	AU=(OKAYAMA, N? OR OKAYAMA N? OR NOBUYA(2N)OKAYAMA)
S3	4797	AU=(KOIKE, H? OR KOIKE H? OR HIROSHI(2N)KOIKE)
S4	263	AU=(NAMIOKA, M? OR NAMIOKA M? OR MIYOKO(2N)NAMIOKA)
S5	3	S1 AND S2 AND S3 AND S4
S6	3	S5 AND IC=(G06F? OR G06Q?)

File 350:Derwent WPIX 1963-2006/UD=200712  
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File 347:JAPIO Dec 1976-2006/Oct(Updated 070201)  
(c) 2007 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2007/ 200708  
(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070222UT=20070215  
(c) 2007 WIPO/Thomson

6/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0009869570 - Drawing available

WPI ACC NO: 2000-165451/200015

XRPX Acc No: N2000-123949

**Digital content inaccurate utilization monitoring method - involves judging inaccurate utilization of digital contents based on license definition information which acquires transaction information containing extracted digital contents from electron watermark**

Patent Assignee: HITACHI LTD (HITA)

Inventor: **KIMURA T ; KOIKE H ; KONDO K; NAMIOKA M ; OKAYAMA M; OKAYAMA N**

**Patent Family** (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2000020600	A	20000121	JP 1998190343	A	19980706	200015 B
CA 2276638	A1	20000106	CA 2276638	A	19990629	200025 E

Priority Applications (no., kind, date): JP 1998190343 A 19980706

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2000020600	A	JA	12	9	
CA 2276638	A1	EN			

**Alerting Abstract JP A**

NOVELTY - The license definition information relating to utilization of digital contents are matched with transaction identifier. A monitoring unit (25) extracts digital contents from electron watermark. Based on license definition information which acquires preserved transactions, the inaccurate utilization of digital contents are judged. DETAILED DESCRIPTION - Digital content provision unit (21) generates transaction identifier for performing identification of transactions as electron watermark and inserts in digital contents. An INDEPENDENT CLAIM is also included for inaccurate utilization monitoring apparatus.

USE - For judging inaccurate utilization of digital contents.

ADVANTAGE - Prevents inaccurate utilization of even digital contents started partially. Facilitates prevention of disturbing in violation of utilization conditions. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of digital contents transaction system.

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; INACCURACIES; MONITOR; METHOD; JUDGEMENT; BASED; LICENCE; DEFINE; INFORMATION; ACQUIRE; TRANSACTION; CONTAIN; EXTRACT; ELECTRON; WATERMARK

**Class Codes**

International Classification (Main): **G06F-017/60 , G06F-003/00**  
(Additional/Secondary): **G06F-012/14 , G09C-005/00, H04L-009/32, H04N-001/387, H04N-007/08, H04N-007/081**

File Segment: EngPI; EPI;

DWPI Class: T01; W01; W02; W03; P85

Manual Codes (EPI/S-X): T01-H01C2; T01-J10B2; T01-J12C; W01-A05B; W02-J03A2B; W03-A

6/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0009581622 - Drawing available  
WPI ACC NO: 1999-529466/199945  
XRPX Acc No: N1999-392339

**Cyber mail system for electronic sales that allows repeated access for the purchaser**

Patent Assignee: HITACHI LTD (HITA)

Inventor: **KIMURA T ; KOIKE H ; NAMIOKA M ; OKAYAMA M; OKAYAMA N**

**Patent Family** (9 patents, 29 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
EP 935209	A2	19990811	EP 1999300861	A	19990205	199945 B
JP 11224288	A	19990817	JP 199825356	A	19980206	199945 E
CA 2260536	A1	19990806	CA 2260536	A	19990201	200004 E
SG 75914	A1	20001024	SG 1999325	A	19990202	200060 E
US 6263318	B1	20010717	US 1999244050	A	19990204	200142 E
US 20040177043	A1	20040909	US 2000618552	A	20000717	200459 E
			US 2004799653	A	20040315	
JP 2006107516	A	20060420	JP 199825356	A	19980206	200627 E
			JP 2005293125	A	20051006	
EP 935209	B1	20061129	EP 1999300861	A	19990205	200680 E
DE 69934155	E	20070111	DE 69934155	A	19990205	200706 E
			EP 1999300861	A	19990205	

Priority Applications (no., kind, date): JP 199825356 A 19980206; EP 1999300861 A 19990205; JP 2005293125 A 20051006

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 935209	A2	EN	40	38		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 11224288	A	JA	26			
CA 2260536	A1	EN				
SG 75914	A1	EN				
US 20040177043	A1	EN				Continuation of application US
2000618552						
JP 2006107516	A	JA	29			Division of application JP 199825356
EP 935209	B1	EN				
Regional Designated States, Original: DE FR GB						
DE 69934155	E	DE				Application EP 1999300861
						Based on OPI patent EP 935209

**Alerting Abstract EP A2**

**NOVELTY** - The system covers circumstances where items are purchased over the Internet that require either a download of data to the purchaser or give the purchaser access to a page through a browser. At time of purchase personal using conditions are generated. If then a repeat download is requested because of earlier delivery failure then as long as the using conditions remain valid the data is again delivered without a repeat charge to the customer.

**USE** - Electronic purchases over the Internet.

**ADVANTAGE** - Automatic cover for delivery failure. Does not a generalized repeat access limit or time period default condition. No need to reenter customer details or enter special command to cancel double charging.

**DESCRIPTION OF DRAWINGS** - The figure shows a block diagram of a cyber mail with the personal using conditions incorporated

130 Customer terminal and data details

110 Internet cyber mail server

100 Data provider

**Title Terms/Index Terms/Additional Words:** MAIL; SYSTEM; ELECTRONIC; SALE;  
ALLOW; REPEAT; ACCESS; PURCHASE

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

B65G-0061/00	A	I	L	R	20060101
G06F-0001/00	A	I	L	B	20060101
G06F-0013/00	A	I	L	R	20060101
G06F-0015/00	A	I	F	R	20060101
G06F-0017/30	A	I	L	B	20060101
G06Q-0030/00	A	I		R	20060101
G06Q-0030/00	A	I	F	B	20060101
G06Q-0050/00	A	I	L	R	20060101
H04L-0029/06	A	I	L	B	20060101
B65G-0061/00	C	I	L	R	20060101
G06F-0001/00	C	I	L	B	20060101
G06F-0013/00	C	I	L	R	20060101
G06F-0015/00	C	I	F	R	20060101
G06F-0017/30	C	I	L	B	20060101
G06Q-0030/00	C	I		R	20060101
G06Q-0030/00	C	I	L	B	20060101
G06Q-0050/00	C	I	L	R	20060101
H04L-0029/06	C	I	L	B	20060101

US Classification, Issued: 705051000, 705027000, 705014000, 705020000,  
705026000, 705027000, 705044000

File Segment: EPI;

DWPI Class: T01; T05; W01

Manual Codes (EPI/S-X): T01-H07C5E; T01-J05A1; T01-J11C; T05-L02; W01-A06B7  
; W01-C05B3C

6/5/3 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01060775

**Contents** sales method and cyber mall system using such method and storage  
medium storing therein its contents sales program

**Verfahren** zum Verkauf von Dateninhalten und Cyber-Einkaufszentrum-System  
fur das Verfahren und Speichermedium fur das  
Dateninhalts-Verkaufsprogramm

**Methode** pour la vente de contenus de donees et systeme de cyber-centre  
commercial pour la methode et medium de stockage pour le logiciel de  
vente de contenus de donees

PATENT ASSIGNEE:

Hitachi, Ltd., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo,  
(JP), (Proprietor designated states: all)

INVENTOR:

Kimura, Tomoko, 16-28-603, Takanawa-2-chome, Minato-ku, Tokyo, (JP)

Okayama, Nobuya, 810-B301, Ogura, Saiwai-ku, Kawasaki-shi, (JP)

Koike, Hiroshi, 17-12-A104, Yutakacho, Sagamihara-shi, (JP)

Namioka, Miyoko, 31-708, Sakuradai, Aoba-ku, Yokohama-shi, (JP)

LEGAL REPRESENTATIVE:

Hackney, Nigel John et al (76991), Mewburn Ellis LLP York House, 23  
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 935209 A2 990811 (Basic)

EP 935209 A3 031210



EP 935209 B1 061129  
 APPLICATION (CC, No, Date): EP 99300861 990205;  
 PRIORITY (CC, No, Date): JP 9825356 980206  
 DESIGNATED STATES: DE; FR; GB  
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
 INTERNATIONAL PATENT CLASS (V7): **G06F-017/60** ; **G06F-001/00** ; H04L-029/06;  
**G06F-017/30**  
 INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):  
 IPC + Level Value Position Status Version Action Source Office:  
**G06Q-0030/00** A I F B 20060101 20060405 H EP  
**G06F-0001/00** A I L B 20060101 20060405 H EP  
 H04L-0029/06 A I L B 20060101 20060405 H EP  
**G06F-0017/30** A I L B 20060101 20060405 H EP

## ABSTRACT EP 935209 A2

A cyber mall system has a contents sales apparatus (110) for selling digital contents (101), a contents purchasing apparatus (130), and a network for connecting those components. When the digital contents are registered into the contents sales apparatus, in the case where the digital contents are sold by the contents sales apparatus for defining digital contents using conditions constructed by a server side access control to the digital contents which is executed on the contents sales apparatus side and a physical act restriction to control an access to the digital contents which is executed on the contents purchasing apparatus side that purchased the digital contents, digital contents personal using conditions are generated on the basis of the digital contents using conditions and are given to a customer. When the digital contents are again purchased if the delivery of the digital contents fails, so long as the digital contents personal using conditions given at the time of purchase are valid, the digital contents are again delivered without again collecting a digital contents value.

ABSTRACT WORD COUNT: 173

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 030910 A2 International Patent Classification changed: 20030724  
 Application: 990811 A2 Published application without search report  
 Change: 070110 B1 Title of invention (French) changed: 20070110  
 Change: 070110 B1 Title of invention (English) changed: 20070110  
 Change: 070110 B1 Title of invention (German) changed: 20070110  
 Change: 060621 A2 Title of invention (French) changed: 20060621  
 Change: 060621 A2 Title of invention (English) changed: 20060621  
 Change: 060621 A2 Title of invention (German) changed: 20060621  
 Examination: 050615 A2 Date of dispatch of the first examination report: 20050503  
 Change: 031203 A2 International Patent Classification changed: 20031017  
 Search Report: 031210 A3 Separate publication of the search report  
 Change: 060524 A2 Title of invention (German) changed: 20060524  
 Change: 060524 A2 Title of invention (English) changed: 20060524  
 Change: 060524 A2 Title of invention (French) changed: 20060524  
 Grant: 061129 B1 Granted patent  
 Examination: 990811 A2 Date of request for examination: 19990222

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199932	1073
CLAIMS B	(English)	200648	807
CLAIMS B	(German)	200648	728

EIC 3600

Dialog Search

CLAIMS B	(French)	200648	885
SPEC A	(English)	199932	10743
SPEC B	(English)	200648	10754
Total word count	- document A		11817
Total word count	- document B		13174
Total word count	- documents A + B		24991

Set	Items	Description
S1	32051	AU=(KIMURA, T? OR KIMURA T? OR TOMOKO(2N)KIMURA)
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S3	4797	AU=(KOIKE, H? OR KOIKE H? OR HIROSHI(2N)KOIKE)
S4	263	AU=(NAMIOKA, M? OR NAMIOKA M? OR MIYOKO(2N)NAMIOKA)
S5	3	S1 AND S2 AND S3 AND S4
S6	3	S5 AND IC=(G06F? OR G06Q?)
S7	37218	S1 OR S2 OR S3 OR S4
S8	411	S7 AND IC=(G06F-017/60 OR G06F-017/30 OR G07F-007/00 OR G-06Q-30/00)
S9	1887912	(DIGITAL OR ELECTRONIC OR VIRTUAL OR CYBER OR ONLINE OR ON-()LINE)(1W)(CONTENT? ? OR MATERIAL? ? OR DATA OR FILE OR FILE-S) OR NEWS OR NEWS()(ARTICLE? ? OR STOR???) OR MUSIC OR MP3 OR MP3S OR SONG? ? OR GAME? ? OR MOVIE? ? OR VIDEO? ? OR COMPUTER()PROGRAM?
S10	31452	HITACHI?
S11	88	S8 AND (S9 OR S10)
S12	86	S11 NOT S6
S13	86	IDPAT (sorted in duplicate/non-duplicate order)
S14	57	IDPAT (primary/non-duplicate records only)

File 350:Derwent WPIX 1963-2006/UD=200712  
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File 347:JAPIO Dec 1976-2006/Oct(Updated 070201)  
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File 348:EUROPEAN PATENTS 1978-2007/ 200708  
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File 349:PCT FULLTEXT 1979-2007/UB=20070222UT=20070215  
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**0014824168/5**

DIALOG(R)File 350:Derwent WPIX

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0014824168 - Drawing available

WPI ACC NO: 2005-171858/200518

XRPX Acc No: N2005-143428

**Online shopping method for use in shopping site, involves granting privilege to information provider, who has provided received reply message, based on evaluation of information provided by information provider**

Patent Assignee: HITACHI LTD (HITA); IIDA S (IIDA-I); NAKAGAWA H (NAKA-I); OKAYAMA N (OKAY-I); TAKAGI K (TAKA-I)

Inventor: IIDA S; NAKAGAWA H; OKAYAMA N; TAKAGI K

**Patent Family** (2 patents, 2 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20050033654	A1	20050210	US 2003680225	A	20031008	200518 B
JP 2005056009	A	20050303	JP 2003206639	A	20030808	200518 E

Priority Applications (no., kind, date): JP 2003206639 A 20030808

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050033654	A1	EN	16	12	
JP 2005056009	A	JA	15		

**Alerting Abstract US A1**

NOVELTY - The method involves accepting a message input for displayed information providers. The input message is transmitted to an information provider selected from the providers. A reply message for the transmitted message is received from the information provider. A privilege is granted to the information provider, who has provided the received reply message, based on evaluation of information provided by the information provider.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.an online shopping system for exchanging information concerning a commodity at a shopping site where commodities can be purchased online
- 2.a computer program executed in an online shopping system for exchanging information concerning a commodity at a shopping site where commodities can be purchased online.

USE - Used for exchanging information concerning a commodity at a shopping site.

ADVANTAGE - The method enables users of the online shopping to exchange information with each other in real time by using a messenger program, thus providing reliable commodity information for a person who is about to purchase a commodity.

DESCRIPTION OF DRAWINGS - The drawing shows a flowchart depicting a processing procedure used at the time of commodity purchase.

**Title Terms/Index Terms/Additional Words:** SHOPPING; METHOD; SITE; INFORMATION; RECEIVE; REPLY; MESSAGE; BASED; EVALUATE

**Class Codes**

International Classification (Main): G06F-017/60

US Classification, Issued: 705026000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N01A2C; T01-N02B1B; T01-S03

? t 0014569756/5

**0014569756/5**

DIALOG(R)File 350:Derwent WPIX

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0014569756 - Drawing available

WPI ACC NO: 2004-751714/200474

XRPX Acc No: N2004-594078

**Digital content license and privilege management method involves using retained information digital content purchaser, to provide privileges to purchaser during purchase of another content**

Patent Assignee: ARAI T (ARAI-I); HITACHI LTD (HITA); NAKAGAWA H (NAKA-I); NIINO T (NIIN-I); OKAYAMA N (OKAY-I); TAKAGI K (TAKA-I)  
Inventor: ARAI T; NAKAGAWA H; NIINO T; NIINO T; OKAYAMA M; OKAYAMA N; TAKAGI K

**Patent Family** (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2004295719	A	20041021	JP 200389681	A	20030328	200474 B
US 20050044049	A1	20050224	US 2003671498	A	20030929	200515 E

Priority Applications (no., kind, date): JP 200389681 A 20030328

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2004295719	A	JA	18	13	

**Alerting Abstract JP A**

NOVELTY - A license is registered for a digital content which is requested by a purchaser. The registered license is matched with the purchaser information and stored in a database. When the purchaser wants to return the content, the license is deleted and the purchaser information is retained. The retained information is used to provide privileges to the purchaser during purchase of another content.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.digital content license and privilege management system; and
- 2.computer readable recorded medium storing digital content license and privilege management program.

USE - For license and privilege management during sales of digital content through Internet.

ADVANTAGE - The used license of one digital content which is returned by the purchaser, can be provided for another digital content.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the digital content license and privilege management system. (Drawing includes non-English language text).

- 110 content management apparatus
- 120 license management apparatus
- 130 content storage apparatus
- 140 content synchronizer
- 150 information terminal

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; LICENCE; MANAGEMENT; METHOD; RETAIN; INFORMATION; PURCHASE

**Class Codes**

International Classification (Main): G06F-001/00, G06F-017/60  
 US Classification, Issued: 705059000.

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A1; T01-N01A2A; T01-N01A2C;

T01-N01D1; T01-N02B1B; T01-S03

? t 0014513791/5

**0014513791/5**

DIALOG(R)File 350:Derwent WPIX

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0014513791 - Drawing available

WPI ACC NO: 2004-695726/200468

XRPX Acc No: N2004-551671

**Content delivery method in computer, mobile telephone, involves calculating charging amount of displayed electronic content in information terminal based on user input operation**

Patent Assignee: HITACHI LTD (HITA); AKITOMO M (AKIT-I); MORI D (MORI-I); OKAYAMA N (OKAY-I); TAKAGI K (TAKA-I)

Inventor: AKITOMO Y; MORI D; OKAYAMA M; TAKAGI K; AKITOMO M; OKAYAMA N

**Patent Family** (3 patents, 3 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
JP 2004280620	A	20041007	JP 200372915	A	20030318	200468 B
US 20060018206	A1	20060126	US 2004898256	A	20040726	200614 NCE
CN 1734485	A	20060215	CN 200410056549	A	20040809	200645 NCE

Priority Applications (no., kind, date): CN 200410056549 A 20040809; US 2004898256 A 20040726; JP 200372915 A 20030318

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2004280620	A	JA	10	8	
US 20060018206	A1	EN	13		

**Alerting Abstract JP A**

NOVELTY - The method involves determining the electronic content displayed in predetermined area of information terminal for fixed time, is charging content, when the display time exceeds preset time. The amount of charging with respect to displayed electronic content is calculated according to user input operation.

DESCRIPTION - An INDEPENDENT CLAIM is also included for content delivery apparatus.

USE - For delivering electronic content e.g. digital book, magazine to terminals of computer and mobile telephone.

ADVANTAGE - Charging of electronic content is performed accurately.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining content delivery process. (Drawing includes non-English language text).

**Title Terms/Index Terms/Additional Words:** CONTENT; DELIVER; METHOD; COMPUTER; MOBILE; TELEPHONE; CALCULATE; CHARGE; AMOUNT; DISPLAY; ELECTRONIC; INFORMATION; TERMINAL; BASED; USER; INPUT; OPERATE

**Class Codes**

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06Q-0020/00 A I F 20060101  
G06Q-0030/00 A I L 20060101  
G11B-0021/08 A I F B 20060101  
G11B-0005/09 A I L B 20060101

US Classification, Issued: 369030010, 369047100, 369059100,

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N01A2A; W01-C01G6E

? t 0014143546/5

**0014143546/5**

DIALOG(R)File 350:Derwent WPIX

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0014143546 - Drawing available

WPI ACC NO: 2004-328323/200430

XRPX Acc No: N2004-261963

**Electronic commerce method involves packing encrypted and processed electronic document data obtained by compressing difference information of document and template data and message digest of document data**

Patent Assignee: HITACHI LTD (HITA)

Inventor: ARISAKA T; BENIYAMA N; KOIKE H; KOMATA M; KONDO K; KUREYAMA N;  
OMATA M

**Patent Family** (2 patents, 2 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20040068658	A1	20040408	US 2003620567	A	20030715	200430 B
JP 2004133497	A	20040430	JP 2002294375	A	20021008	200430 E

Priority Applications (no., kind, date): JP 2002294375 A 20021008

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20040068658	A1	EN	20	13	
JP 2004133497	A	JA	15		

**Alerting Abstract** US A1

NOVELTY - The method involves packing the encrypted and processed electronic document data obtained by compressing difference information of document and template data, and message digest of document data respectively at an electronic document sending processor. The processed and encrypted data are unpacked and restored at receiving processor followed by decryption of encrypted data for matching restored data with decrypted data.

DESCRIPTION - An INDEPENDENT CLAIM is also included for electronic commerce system.

USE - For carrying out business activities when communicating electronic document among persons in charge who are distributed in a network environment.

ADVANTAGE - Reduces the data transfer amount by sending difference information thereby prevents electronic document, substitution or impersonation.

DESCRIPTION OF DRAWINGS - The figure shows the structure of electronic commerce processing system.

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; METHOD; PACK; ENCRYPTION; PROCESS; DOCUMENT; DATA; OBTAIN; COMPRESS; DIFFER; INFORMATION; TEMPLATE; MESSAGE; DIGEST

**Class Codes**

International Classification (Main): G06F-017/60, H04L-009/00

(Additional/Secondary): G09C-001/00, H04L-009/32

US Classification, Issued: 713176000, 705075000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-D01; T01-N01A2; T01-N01D2; W01-A05A

? t 0013641415/5

**0013641415/5**

DIALOG(R)File 350:Derwent WPIX

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0013641415 - Drawing available

WPI ACC NO: 2003-737346/200370

XRPX Acc No: N2003-589895

**Digital content utilization charge calculation apparatus using Internet, calculates charge based on charge information for each classification of contents and timing between starting and completion of content delivery**

Patent Assignee: HIGASHI NIHON DENSHIN DENWA KK (HIGA-N)

Inventor: HASEBE; HAYASHI K; KIMURA T; KUWAKO J; OGURA M; ONISHI Y;

YAMAZAKI T

**Patent Family** (1 patents, 1 countries)

Patent		Application				
Number	Kind	Date	Number	Kind	Date	Update
JP 2003234852	A	20030822	JP 200233169	A	20020208	200370 B

Priority Applications (no., kind, date): JP 200233169 A 20020208

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
JP 2003234852	A	JA	10	5		

**Alerting Abstract JP A**

NOVELTY - A memory (11) stores charge information corresponding to each classification of the digital content delivered by a server (8) to customer terminal (4). A timer (13) calculates time between reception of a delivery start and delivery completion signal. A calculation unit (14) calculates digital content utilization charge based on timing calculated and charges information stored.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.digital content utilization charge calculation method;
- 2.digital content utilization charge calculating program; and
- 3.computer readable recording medium storing digital content utilization charge calculation program.

USE - For calculating the charge for digital content utilized by customer terminal using Internet.

ADVANTAGE - The charge discounts can be provided to user who views an advertisement, by changing the content according to its classification.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the digital content utilization charge calculation apparatus connected to the Internet. (Drawing includes non- English language text).

- 1 charge calculation apparatus
- 2 communication control unit
- 3 telephone network
- 4 customer terminal



5 Internet  
 6 advertising server  
 6 web server  
 8 content server  
 11 charge information storage unit  
 12 charge information read-out unit  
 13 timer  
 14 charge calculation unit

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; UTILISE; CHARGE  
 ; CALCULATE; APPARATUS; BASED; INFORMATION; CLASSIFY; TIME; START;  
 COMPLETE; DELIVER

#### Class Codes

International Classification (Main): H04M-015/00  
 (Additional/Secondary): G06F-017/60

File Segment: EPI;  
 DWPI Class: T01  
 Manual Codes (EPI/S-X): T01-N02B2A; T01-S03  
 ? t 0013117419/5

**0013117419/5**

DIALOG(R)File 350:Derwent WPIX  
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0013117419 - Drawing available  
 WPI ACC NO: 2003-199112/200319  
 XRPX Acc No: N2003-158330

**Digital content delivery method through internet, involves determining transmission of specific content information to user based on digital content presentation capability information**

Patent Assignee: HITACHI LTD (HITA)  
 Inventor: ARAI T; ARISAKA T; KOIKE H; NAMIOKA M; OKAYAMA M; OKAYAMA N  
**Patent Family** (2 patents, 2 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20020165987	A1	20021107	US 2002119989	A	20020409	200319 B
JP 2002328949	A	20021115	JP 2001130597	A	20010424	200319 E

Priority Applications (no., kind, date): JP 2001130597 A 20010424

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020165987	A1	EN	21	11	
JP 2002328949	A	JA	16		

#### Alerting Abstract US A1

NOVELTY - The specific digital content and content presentation capability information are obtained based on the content identification information and terminal device information respectively. The terminal device (220) is determined to transmit the specific digital content to a user based on the capability information.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Digital content server;
2. Device for delivering digital content;
3. System for delivering digital content; and

## 4.Apparatus for delivering digital content.

USE - For delivering digital content such as video, CD and books belonging to comic cafe or library, for performing multimedia browsing at home through internet using personal computer.

ADVANTAGE - Allows content playback to be resumed by the user in different locations and the content playback is resumed at different types of playback terminal.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the digital content playback system.

220 Terminal device

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; DELIVER; METHOD; THROUGH; DETERMINE; TRANSMISSION; SPECIFIC; INFORMATION; USER; BASED; PRESENT; CAPABLE

**Class Codes**

International Classification (Main): G06F-015/16, G06F-017/30

(Additional/Secondary): G06F-013/00, G06F-017/60

US Classification, Issued: 709246000, 709231000

File Segment: EPI;

DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-N01D1; W04-K10

? t 0012986274/5

**0012986274/5**

DIALOG(R)File 350:Derwent WPIX

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0012986274 - Drawing available

WPI ACC NO: 2003-063972/200306

XRPX Acc No: N2003-049802

**Data decoding method for music, electronic publication, involves using decoding key to output designated decoding information with respect to selected range of encrypted data**

Patent Assignee: HITACHI LTD (HITA)

Inventor: HATOOKA J; IWASAKI K; KOBAYASHI R; KOIKE H; SHIRAISHI M

**Patent Family** (1 patents, 1 countries)

Patent

Application

Number

Kind

Date

Number

Kind

Date

Update

JP 2002290389

A

20021004

JP 200184298

A

20010323

200306

B

Priority Applications (no., kind, date): JP 200184298 A 20010323

**Patent Details**

Number

Kind

Lan

Pg

Dwg

Filing Notes

JP 2002290389

A

JA

21

17

**Alerting Abstract JP A**

NOVELTY - A selected partial range of encrypted data is decoded using a decoding key that is imparted in order, to output designated decoding information with respect to the encrypted data.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1.Data decoder; and

2.Data selling system.

USE - For decoding data such as video, music or electronic publication, etc., using internet.

**ADVANTAGE** - Facilitates decoding of the specified partial data, using the decoding key with improved efficiency.

**DESCRIPTION OF DRAWINGS** - The figure shows the system block diagram of the content selling system. (Drawing includes non-English language text).

**Title Terms/Index Terms/Additional Words:** DATA; DECODE; METHOD; MUSIC; ELECTRONIC; PUBLICATION; KEY; OUTPUT; DESIGNATED; INFORMATION; RESPECT; SELECT; RANGE; ENCRYPTION

#### Class Codes

International Classification (Main): H04L-009/08  
(Additional/Secondary): G06F-017/60

File Segment: EPI;  
DWPI Class: T01; W01  
Manual Codes (EPI/S-X): T01-J05A; W01-A05A  
? t 0012754325/5

**0012754325/5**

DIALOG(R)File 350:Derwent WPIX  
(c) 2007 The Thomson Corporation. All rts. reserv.

0012754325 - Drawing available  
WPI ACC NO: 2002-607507/200265  
XRPX Acc No: N2002-481088

**Digital contents licensing fee calculating method involves calculating number of times digital contents viewed and listened at user terminal, based on which copyright fee is calculated**

Patent Assignee: ARAI T (ARAI-I); HITACHI LTD (HITA); KAWAGUCHI H (KAWA-I); KINOSHITA A (KINO-I); KOIKE H (KOIK-I); OKAYAMA N (OKAY-I); ONIMARU H (ONIM-I); ORIMO M (ORIM-I); HITACHI SEISAKUSHO KK (HITA)  
Inventor: ARAI T; KAWAGUCHI H; KINOSHITA J; KOIKE H; OKAYAMA M; OKAYAMA N; ONIMARU H; ORIMO M

**Patent Family** (6 patents, 5 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20020077989	A1	20020620	US 2001923457	A	20010808	200265 B
JP 2002189949	A	20020705	JP 2000389954	A	20001219	200265 E
CN 1360269	A	20020724	CN 2001140748	A	20010810	200269 E
KR 2002050078	A	20020626	KR 200148223	A	20010810	200282 E
TW 594517	A	20040621	TW 2001120931	A	20010824	200506 E
KR 584800	B1	20060530	KR 200148223	A	20010810	200708 E

Priority Applications (no., kind, date): JP 2000389954 A 20001219

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020077989	A1	EN	23	13	
JP 2002189949	A	JA	14		
TW 594517	A	ZH			
KR 584800	B1	KO			Previously issued patent KR 2002050078

#### Alerting Abstract US A1

**NOVELTY** - Digital contents from center distributor terminal is distributed to user terminals (120) through shop distributor terminal (110). The number of times the digital contents are viewed and listened at the terminal is calculated, based on which a copyright fee is calculated.

**DESCRIPTION** - INDEPENDENT CLAIMS are included for the following:

1. Digital contents licensing fee calculator; and

## 2.Computer readable recorded medium storing digital content licensing fee calculation program.

USE - Used in calculating licensing fee for viewing or listening to digital contents such as electronic books, music, images and games.

ADVANTAGE - The copyright fee for digital contents viewed and listened are collected reliably, as the fee is based on number of times the contents are viewed and listened.

DESCRIPTION OF DRAWINGS - The figure shows the outline structure of licensing fee calculating system for digital contents with limited time and place.

110 Shop distributor terminal

120 User terminal

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; FEE; CALCULATE; METHOD; NUMBER; TIME; VIEW; USER; TERMINAL; BASED

### Class Codes

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0021/24	A	I	L	R	20060101
G06Q-0030/00	A	I	F	R	20060101
G06Q-0050/00	A	I	L	R	20060101
H04N-0007/173	A	I		R	20060101
G06F-0021/00	C	I	L	R	20060101
G06Q-0030/00	C	I	F	R	20060101
G06Q-0050/00	C	I	L	R	20060101
H04N-0007/173	C	I		R	20060101

US Classification, Issued: 705059000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-J05A1; T01-J20B2A; T01-S03; T05-L02

? t 0010996003/5

**0010996003/5**

DIALOG(R)File 350:Derwent WPIX

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0010996003 - Drawing available

WPI ACC NO: 2001-621104/200172

XRPX Acc No: N2001-463460

**Electronic advertising delivery method involves choosing electronic advertisement in which variation is included, and generating and sending selection processed digital contents data information terminal**

Patent Assignee: HITACHI LTD (HITA)

Inventor: KOIKE H; OKAYAMA M

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
JP 2001229126	A	20010824	JP 200045084	A	20000217	200172 B

Priority Applications (no., kind, date): JP 200045084 A 20000217

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001229126	A	JA	9	9	

**Alerting Abstract JP A**

NOVELTY - A user's information by the individual is utilized in the selection processor of a delivery device (100). An electronic advertisement, in which a variation is included to customize for every user, is chosen. Selection processed digital contents data are generated and sent and stored to a portable information terminal (110), e.g. PDA.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. an electronic advertising delivery apparatus;
2. and a memory medium with stored processing program.

USE - Electronic advertising delivery method.

ADVANTAGE - Allows suitable electronic advertisement to be provided even when portable information terminal is off-line.

DESCRIPTION OF DRAWINGS - The figure is a diagram showing an electronic advertising distribution system for portable information terminal. (Drawing includes non-English language text).

100 Delivery device

110 Portable information terminal

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; ADVERTISE; DELIVER; METHOD; CHOICE; VARIATION; GENERATE; SEND; SELECT; PROCESS; DIGITAL; CONTENT; DATA; INFORMATION; TERMINAL

**Class Codes**

International Classification (Main): G06F-015/00

(Additional/Secondary): G06F-013/00, G06F-017/30, G06F-017/60

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H; T01-J; T01-J05A; T01-J05B

? t 0010704408/5

**0010704408/5**

DIALOG(R)File 350:Derwent WPIX

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0010704408 - Drawing available

WPI ACC NO: 2001-314778/200133

Related WPI Acc No: 2000-612124; 2000-639914; 2001-193014

XRPX Acc No: N2001-274456

**Digital contents vending method for selling personal digital contents the replay of which is limited to the purchaser to prevent illegal use of sold digital contents, e.g. an electronic book sold in a book store**

Patent Assignee: HITACHI LTD (HITA); ICHIHARA S (ICHI-I); KOIKE H

(KOIK-I); OKAYAMA N (OKAY-I); ONIMARU H (ONIM-I); ORIMO M (ORIM-I)

Inventor: ICHIHARA S; KOIKE H; OKAYAMA M; OKAYAMA N; ONIMARU H; ORIMO M

**Patent Family** (7 patents, 28 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
KR 2000048434	A	20000725	KR 199962732	A	19991227	200133 B
EP 1017001	A2	20000705	EP 1999310334	A	19991221	200140 ETAB
JP 2000194763	A	20000714	JP 1998373650	A	19981228	200133 E
US 20030014369	A1	20030116	US 1999473298	A	19991228	200308 E
			US 2002244515	A	20020917	
US 6594646	B1	20030715	US 1999473298	A	19991228	200348 E
JP 2005322262	A	20051117	JP 1998373650	A	19981228	200575 E
			JP 2005157299	A	20050530	
US 6978256	B2	20051220	US 1999473298	A	19991228	200601 E
			US 2002244515	A	20020917	

Priority Applications (no., kind, date): JP 2005157299 A 20050530; JP 1998373650 A 19981228

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
KR 2000048434	A	KO		10	
JP 2000194763	A	JA	11		
EP 1017001	A2	EN	17	10	
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
US 20030014369	A1	EN			Continuation of application US 1999473298
JP 2005322262	A	JA	14		Division of application JP 1998373650
US 6978256	B2	EN			Continuation of application US 1999473298

**Alerting Abstract EP A2**

NOVELTY - An identification information of digital contents selected by a customer is received, generating digital contents in which identification information for identifying the customer is set, permitting the customer to replay the selected digital contents, and selling the generated digital contents after confirmation of payment of a charge for the selected digital contents.

DESCRIPTION - INDEPENDENT CLAIMS are included for: (i) an apparatus for selling digital contents; (ii) a medium for recording a program for causing a computer to function as a digital contents vending machine; and (iii) the program for selling digital contents.

USE - Vending method for selling personal digital contents, e.g. an electronic book sold in a book store, the replay of which is limited to the purchaser.

ADVANTAGE - Prevents illegal use of sold digital contents as digital contents can only be replayed by customer to which they are sold. Vending machine itself or distribution control center detects error state of vending machine to stop sales processing or to delete digital contents so that illegal removal of digital contents from vending machine is prevented.

DESCRIPTION OF DRAWINGS - The drawing shows the general configuration of the digital contents vending system.

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; VENDING; METHOD; SELL; PERSON; REPLAY; LIMIT; PURCHASE; PREVENT; ILLEGAL; SOLD; ELECTRONIC; BOOK; STORAGE

**Class Codes**

International Classification (Main): G06F-017/60

(Additional/Secondary): G06F-012/14, G06F-017/30

US Classification, Issued: 705064000, 705051000, 705016000, 705052000, 705053000, 705055000, 705056000, 705057000, 705058000, 705026000, 705064000, 705001000, 705016000, 705050000, 705051000, 705052000, 705053000, 705055000, 705056000, 705057000, 705058000, 705064000, 705073000, 705075000, 380200000, 380201000, 380202000, 713159000, 713156000, 713176000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-H01C2; T01-J05A; T01-J12C; T01-S03; T05-H04; T05-H08C

? t 0010587901/5

**0010587901/5**

DIALOG(R)File 350:Derwent WPIX

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0010587901 - Drawing available

WPI ACC NO: 2001-193014/200120

Related WPI Acc No: 2000-612124; 2000-639914; 2001-314778

XRPX Acc No: N2001-137308

**Managing schedule of delivery data in electronic data distribution has delivery data and evaluation value digitized and registered in storage and management server**

Patent Assignee: HITACHI LTD (HITA)

Inventor: IGAWA K; IKAWA K; KOIKE H; OKAYAMA M; OKAYAMA N

**Patent Family** (4 patents, 27 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
EP 1017003	A2	20000705	EP 1999310434	A	19991222	200120 B
JP 2000194634	A	20000714	JP 1998372543	A	19981228	200120 E
US 6560645	B1	20030506	US 1999473278	A	19991228	200338 E
JP 2006012186	A	20060112	JP 1998372543	A	19981228	200605 E
			JP 2005225078	A	20050803	

Priority Applications (no., kind, date): JP 2005225078 A 20050803; JP 1998372543 A 19981228

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 1017003	A2	EN	67	44	
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR					
IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000194634	A	JA	36		
JP 2006012186	A	JA	28		Division of application JP 1998372543

**Alerting Abstract EP A2**

NOVELTY - A delivery data server, digitization server (200), storage and management server (300), delivery management server (400), and an electronic user terminal (600), are all connected. An evaluation value of the delivery data to be digitized is set in the delivery data server; delivery data and evaluation value are digitized and registered in the storage and management server, in the digitized server.

DESCRIPTION - Performing a processing of electronic utilization data selected by a user between the delivery management server and the electronic user terminal; managing information of the processed electronic utilization data in the delivery management server; an on-demand delivery request is produced at a stage that the electronic user terminal acquires actual electronic data after processing the electronic utilization data; management (scheduling) of the on-demand delivery request is performed, transmitting the management (scheduling) of the on-demand delivery request to the storage and management server; delivering the relevant electronic data to the electronic user terminal from the delivery management server.

An INDEPENDENT CLAIM is also included for A delivery schedule management apparatus for managing delivery schedule of delivery data in an electronic data distribution system.

USE - For managing delivery schedule in case where an electronic book previously stored in an electronic book sales terminal connected through a network are delivered.

ADVANTAGE - Provides delivery of digital titles exactly, promptly, and inexpensively in accordance with the users taste.

DESCRIPTION OF DRAWINGS - The figure shows a schematic block diagram of an electronic book distribution and sales system of a delivery schedule management method.

**Title Terms/Index Terms/Additional Words:** MANAGE; SCHEDULE; DELIVER; DATA;  
ELECTRONIC; DISTRIBUTE; EVALUATE; VALUE; DIGITAL; REGISTER; STORAGE;  
MANAGEMENT; SERVE

### Class Codes

International Classification (Main): G06F-013/00, G06F-017/06, G06F-017/60  
(Additional/Secondary): H04L-012/54, H04L-012/58

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0013/00 A I F B 20060101

US Classification, Issued: 709223000, 709217000, 709219000, 709203000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C5S; T01-J05A2

? t 0010325283/5

**0010325283/5**

DIALOG(R)File 350:Derwent WPIX

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0010325283 - Drawing available

WPI ACC NO: 2000-639927/200062

XRPX Acc No: N2000-474625

**Complex digital content managing system when a plurality of digital complex contents with arbitrary construction are managed in a unified manner**

Patent Assignee: HITACHI LTD (HITA)

Inventor: HIRAYAMA K; HIRYAMA K; KATSUKURA K; KOIKE H; MATSUZAWA S; NAMIOKA M; TAKAHASHI H

**Patent Family** (2 patents, 26 countries)

Patent		Application					
Number	Kind	Date	Number	Kind	Date	Update	
EP 1016990	A2	20000705	EP 1999310075	A	19991215	200062	B
JP 2000194589	A	20000714	JP 1998371919	A	19981228	200062	E

Priority Applications (no., kind, date): JP 1998371919 A 19981228

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1016990	A2	EN	19	13		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2000194589	A	JA	13			

### Alerting Abstract EP A2

NOVELTY - A communication circuit (400) connects a registration client (100) to a database server (200) and circuit (410) connects the database server to the retrieval client (300). The complex digital contents of the registration client is transmitted with mapping information to the database server. The information is then transmitted into the corresponding database according to the mapping information.

DESCRIPTION - AN INDEPENDENT CLAIM is included for a complex digital content managing method.

USE - Managing plural complex digital contents.

ADVANTAGE - Unified management of digital contents with arbitrary construction.

DESCRIPTION OF DRAWINGS - The drawing is a block diagram showing the whole structure of a system according to an embodiment of the present invention

400, 410 Communication circuits

100 Registration client



200 Database server  
300 Retrieval client

**Title Terms**/Index Terms/Additional Words: COMPLEX; DIGITAL; CONTENT; MANAGE  
; SYSTEM; PLURAL; ARBITRARY; CONSTRUCTION; UNIFIED; MANNER

**Class Codes**

International Classification (Main): G06F-012/00, G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C5S; T01-J05B4M

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**0010325271/5**

DIALOG(R)File 350:Derwent WPIX

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0010325271 - Drawing available

WPI ACC NO: 2000-639914/200062

Related WPI Acc No: 2000-612124; 2001-193014; 2001-314778

XPX Acc No: N2000-474612

**System for preventing the use of digital contents which may be illegally copied, removed or downloaded in shopping centers and retail outlets engaged in processing the digital contents**

Patent Assignee: HITACHI LTD (HITA); HITACHI SEISAKUSHO KK (HITA)

Inventor: ARAI S; KOIKE H; OKAYAMA M; OKAYAMA N; TOMITA T

**Patent Family** (9 patents, 28 countries)

Patent			Application			Update		
Number	Kind	Date	Number	Kind	Date	Update		
EP 1016949	A1	20000705	EP 1999310579	A	19991224	200062	B	
JP 2000194638	A	20000714	JP 1998373649	A	19981228	200062	E	
KR 2000052582	A	20000825	KR 199962731	A	19991227	200121	E	
US 6466920	B1	20021015	US 1999473275	A	19991228	200271	E	
KR 352018	B	20020912	KR 199962731	A	19991227	200317	E	
EP 1016949	B1	20051026	EP 1999310579	A	19991224	200571	E	
DE 69927926	E	20051201	DE 69927926	A	19991224	200580	E	
			EP 1999310579	A	19991224			
JP 2006127535	A	20060518	JP 1998373649	A	19981228	200634	E	
			JP 2005341343	A	20051128			
DE 69927926	T2	20060601	DE 69927926	A	19991224	200637	E	
			EP 1999310579	A	19991224			

Priority Applications (no., kind, date): JP 2005341343 A 20051128; EP 1999310579 A 19991224; JP 1998373649 A 19981228

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1016949	A1	EN	22	16		
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2000194638	A	JA	16			
KR 2000052582	A	KO		16		
KR 352018	B	KO				Previously issued patent KR 2000052582
EP 1016949	B1	EN				
Regional Designated States, Original: DE FR GB						
DE 69927926	E	DE				Application EP 1999310579
						Based on OPI patent EP 1016949
JP 2006127535	A	JA	16			Division of application JP 1998373649
DE 69927926	T2	DE				Application EP 1999310579
						Based on OPI patent EP 1016949

**Alerting Abstract EP A1**

NOVELTY - An electronic book is digitized with an approval message from unit (110) and sends the digital book to a storage management unit (120). A vending machine (140) copies an electronic book selected by a customer to a recording medium or downloads it to a replay unit (150). The digital contents is only replayed if approval unit permits after checking the status information in the digital contents.

DESCRIPTION - INDEPENDENT CLAIMS are included for a method of preventing illegal use of digital contents, for a medium recording a computer program and for a computer program.

USE - Prohibiting use of digital contents by illegal copying, removing or downloading.

DESCRIPTION OF DRAWINGS - The drawing is a diagram of the general configuration of a digital contents distribution system according to an embodiment

- 100 digital unit
- 110 Approval unit
- 120 Storage management unit
- 140 Vending machine
- 150 Replay unit

**Title Terms/Index Terms/Additional Words:** SYSTEM; PREVENT; DIGITAL; CONTENT ; COPY; REMOVE; SHOPPING; CENTRE; RETAIL; OUTLET; ENGAGE; PROCESS

**Class Codes**

International Classification (Main): G06F-001/00, G06F-013/00, G06F-017/00

(Additional/Secondary): G06F-012/14, G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0001/00 A I F B 20060101

G06Q-0050/00 A I F B 20060101

G09C-0001/00 A I L B 20060101

US Classification, Issued: 705057000, 380201000

File Segment: EngPI; EPI;

DWPI Class: T01; P85

Manual Codes (EPI/S-X): T01-J05A; T01-J12C; T01-J20B2A; T01-S03

? t 0010298467/5

**0010298467/5**

DIALOG(R)File 350:Derwent WPIX

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0010298467 - Drawing available

WPI ACC NO: 2000-612124/200059

Related WPI Acc No: 2000-639914; 2001-193014; 2001-314778

XRPX Acc No: N2000-473742

**Digital content distribution system in which an original document is digitized and distributed from a content data management center to stores for selection by customers**

Patent Assignee: ARAI S (ARAI-I); HITACHI LTD (HITA); IGAWA K (IGAW-I); KOIKE H (KOIK-I); MATSUZAWA S (MATS-I); NAMIOKA M (NAMI-I); OKAYAMA N (OKAY-I); ORIMO M (ORIM-I); TOMITA T (TOMI-I)

Inventor: ARAI S; IGAWA K; IKAWA K; KOIKE H; MATSUSAWA S; MATSUZAWA S; NAMIOKA M; OKAYAMA M; OKAYAMA N; ORIMO M; TOMITA T; ARAI S N M

**Patent Family** (9 patents, 28 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
CN 1258892	A	20000705	CN 1999127083	A	19991228	200059 B
EP 1017002	A2	20000705	EP 1999310408	A	19991222	200062 ETAB

JP 2000194635	A	20000714	JP 1998373651	A	19981228	200059	E
US 20020087475	A1	20020704	US 1999473275	A	19991228	200247	E
			US 200261162	A	20020204		
US 20030182231	A1	20030925	US 1999473277	A	19991228	200364	E
US 20060116967	A1	20060601	US 1999473277	A	19991228	200637	E
			US 2006333269	A	20060118		
US 7080042	B2	20060718	US 1999473277	A	19991228	200648	E
JP 2006202316	A	20060803	JP 1998373651	A	19981228	200651	E
			JP 200650509	A	20060227		
CN 1770192	A	20060510	CN 200510065112	A	19991228	200657	E

Priority Applications (no., kind, date): JP 200650509 A 20060227; JP 1998373650 A 19981228; JP 1998373649 A 19981228; JP 1998372543 A 19981228; JP 1998373651 A 19981228

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
CN 1258892	A	ZH		21		
JP 2000194635	A	JA	22			
EP 1017002	A2	EN	26	21		

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR  
IE IT LI LT LU LV MC MK NL PT RO SE SI

US 20020087475	A1	EN			Continuation of application	US
1999473275						
US 20060116967	A1	EN			Continuation of application	US
1999473277						
JP 2006202316	A	JA	19		Division of application	JP 1998373651

#### Alerting Abstract EP A2

NOVELTY - An electronic book is generated by digitizing the original and sent to a content database center (120) via a distribution management device (130). A vending device (140) sells the book to a customer by copying it onto a medium or downloading it to a viewing device (150). The digital content is distributed according to the indicated distribution scheme.

DESCRIPTION - INDEPENDENT CLAIMS are included for a digital content distribution method, for a medium for recording a program and for a program file.

USE - Digitizing and distributing a book in electronic form.

ADVANTAGE - High speed distribution of digital content and of license fee to content holder.

DESCRIPTION OF DRAWINGS - The drawing is a diagram of an outline of an embodiment of a digital content distribution system according to the present invention

- 120 Content database center
- 130 Distribution management device
- 140 Vending device
- 150 Viewing device

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; DISTRIBUTE; SYSTEM; ORIGINAL; DOCUMENT; DATA; MANAGEMENT; STORAGE; SELECT; CUSTOMER

#### Class Codes

International Classification (Main): G06F-013/00

(Additional/Secondary): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0013/00	A	I	L	B	20060101
G06F-0017/60	A	I	F	B	20051231
G06Q-0030/00	A	I	F	B	20060101

EIC 3600

Dialog Search

G06Q-0030/00 A I R 20060101  
G06Q-0050/00 A I L B 20060101  
G06Q-0099/00 A I F B 20060101  
G06Q-0030/00 A I F 20060101  
G06Q-0030/00 C I R 20060101

US Classification, Issued: 705051000, 705051000, 705059000, 705052000,  
705001000, 705051000, 705053000, 705064000, 725001000, 725004000,  
725005000, 725008000, 725062000, 725063000, 725097000, 725135000,  
725143000, 380200000, 380201000, 380202000, 380203000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-H07C5A; T01-H07C5E; T01-J05A1; T01-J05B4P;  
T01-S03; T05-L02

DIALOG(R)File 348:EUROPEAN PATENTS

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01080830

Computer system for electronic shopping mall, electronic shopping mall  
control method, control program and medium

Computer System fur ein elektronisches Einkaufszentrum, Methode zur  
Kontrolle eines elektronischen Einkaufszentrums, Kontrollprogramm und  
Medium

Systeme informatique pour centres commerciaux electroniques, methode de  
controle d'un centre commercial electronique, logiciel de controle et  
support

## PATENT ASSIGNEE:

Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
101-8010, (JP), (Applicant designated States: all)

## INVENTOR:

Honda, Yoshinori, 40-1-S325, Utsukushigaokanishi-2-chome, Aoba-ku,  
Yokohama-shi, (JP)  
Koike, Hiroshi, 268-3, Ryuzojimachi, Maebashi-shi, (JP)  
Matoike, Akira, 4-1-202, Gontazaka-1-chome, Hodogaya-ku, Yokohama-shi,  
(JP)  
Takeuchi, Satoshi, 4499-16, Totsukacho, Totsuka-ku, Yokohama-shi, (JP)

## LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 950970 A2 991020 (Basic)  
EP 950970 A3 991110

APPLICATION (CC, No, Date): EP 99107019 990409;

PRIORITY (CC, No, Date): JP 98101112 980413

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/60

## ABSTRACT EP 950970 A3

An electronic shopping mall server (1) connected to an electronic  
shopping mall client (3) has a coupon aggregation unit (108) for  
calculating a cost charge for each shop based on coupon issue and use  
record tables (121 - 124) and cost share definition tables (125 - 128).  
The client (3) defines cost share and registers the definition in the  
electronic mall server (1).

ABSTRACT WORD COUNT: 64

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 020410 A2 Date of dispatch of the first examination  
report: 20020221  
Examination: 20000126 A2 Date of request for examination: 19991201  
Refusal: 050525 A2 Date European patent application was refused:  
20050107  
Application: 991020 A2 Published application without search report  
Change: 991103 A2 Title of invention (German) changed: 19990914  
Change: 991103 A2 Title of invention (French) changed: 19990914  
Search Report: 991110 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
SPEC A	(English)	9942	19958
Total word count - document A			19958
Total word count - document B			0
Total word count - documents A + B			19958

DIALOG(R)File 348:EUROPEAN PATENTS

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00995528

**Electronic mall system****System zur Realisierung eines elektronischen Einkaufszentrums****Systeme pour realiser un centre commercial electronique**

## PATENT ASSIGNEE:

HITACHI, LTD., (204144), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo,  
(JP), (Applicant designated States: all)

## INVENTOR:

Mizote, Yuuji, 40-1-W235, Utsukushigaokinashi 2-chome, Aiba-ku,  
Yokohama-shi, (JP)

Masuishi, Tetsuya, 3094-5, Nozutamachi, Machida-shi, (JP)

Koike, Hiroshi, 17-12-A104, Yutakacho, Sagamihara-shi, (JP)

Sudo, Mitsuo, 4-2-404, Komatsugawa 2-chome, Edogawa-ku, Tokyo, (JP)

## LEGAL REPRESENTATIVE:

Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23  
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 899674 A2 990303 (Basic)

EP 899674 A3 000322

APPLICATION (CC, No, Date): . EP 98306972 980901;

PRIORITY (CC, No, Date): JP 97236084 970901

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-017/60

## ABSTRACT EP 899674 A2

An electronic mall system wherein a server equipped with an electronic mall (10) is connected to a server equipped with external electronic stores (30) through a network (40, 60). When a request for information on products is received from a client (20), product information acquisition processing (12) in the electronic mall (10) requests an electronic store (30), if the request is directed to information on products related to the electronic store (30), to acquire information on products, and records the history related to the external store (30) in an external store product introduction history DB (26). When a request for purchase of a product is received from the client (20), inventory processing (14) requests the electronic store (30), if the request is to purchase a product related to the electronic store (30), to execute a transaction associated with product purchase processing. When acknowledgement of conformation on the purchase of the product is received from the client (20), the history related to the external store (30) is recorded in an external store purchase details history DB (25) if the purchased product is dealt in by the electronic store (30).

ABSTRACT WORD COUNT: 189

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 010228 A2 Date of withdrawal of application: 20001227

Search Report: 20000322 A3 Separate publication of the search report

Application: 990303 A2 Published application (A1with Search Report  
;A2without Search Report)Examination: 990303 A2 Date of filing of request for examination:  
980921

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9909	1163
SPEC A	(English)	9909	5516

Total word count - document A 6679  
Total word count - document B 0  
Total word count - documents A + B 6679  
DIALOG(R)File 347:JAPIO  
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06435033 \*\*Image available\*\*

METHOD FOR PROVIDING DIGITAL CONTENTS, METHOD FOR MONITORING ITS ILLEGAL  
USAGE, ITS PROVIDING DEVICE AND DEVICE FOR MONITORING ITS ILLEGAL USAGE

PUB. NO.: 2000-020600 [JP 2000020600 A]  
PUBLISHED: January 21, 2000 (20000121)  
INVENTOR(s): NAMIOKA MIYOKO  
OKAYAMA MASAYA  
KOIKE HIROSHI  
KONDO KO  
KIMURA TOMOKO  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 10-190343 [JP 98190343]  
FILED: July 06, 1998 (19980706)  
INTL CLASS: G06F-017/60; G06F-012/14; G09C-005/00; H04L-009/32;  
H04N-001/387; H04N-007/08; H04N-007/081

#### ABSTRACT

PROBLEM TO BE SOLVED: To prevent a secondary usage violating usage condition and an illegal re-distribution and also to prevent an illegal usage even against digital contents which are partially segmented.

SOLUTION: The digital contents providing means 21 inserts a transaction identifier for identifying a transaction to the digital contents as electronic watermark, generates transaction information including license defining information concerning the usage of the digital contents, preserves it in correspondence to the transaction identifier and offers the digital contents, in which the electronic watermark is inserted, to a user. A digital contents illegal usage monitoring means 25 extracts the electronic watermark from the digital contents, obtains preserved transaction information through the use of the transaction identifier in the electronic watermark and judges whether the digital contents are illegally used or not, based on the license defining information obtained from the transaction information and based on the digital contents from which electronic watermark is extracted or on their presence forms.

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DIALOG(R)File 347:JAPIO  
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06282699 \*\*Image available\*\*

USE CONDITION SALE TYPE DIGITAL CONTENTS SALE ELECTRONIC MALL SYSTEM

PUB. NO.: 11-224288 [JP 11224288 A]  
PUBLISHED: August 17, 1999 (19990817)  
INVENTOR(s): KIMURA TOMOKO  
OKAYAMA MASAYA  
KOIKE HIROSHI  
NAMIOKA MIYOKO  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 10-025356 [JP 9825356]  
FILED: February 06, 1998 (19980206)  
INTL CLASS: G06F-017/60; G06F-013/00; G06F-015/00

## ABSTRACT

PROBLEM TO BE SOLVED: To provide an electronic mall system which redistributes digital contents without paying the article price again and inputting purchaser information again only by selecting desired digital contents to be distributed again when the digital contents are purchased even in case of a failure in distributing the purchased digital contents.

SOLUTION: When an electronic mall server 110 sells digital contents 101, digital contents individual use conditions are generated according to digital content use conditions 104 and given to a purchaser. For repurchasing in case of a failure in distributing the digital contents 101, the digital contents 101 are distributed again without recollecting digital contents value 103 on condition that the digital contents individual use conditions given at the time of the purchase are effective.

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**14/TI,AU,IV,6/1 (Item 1 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0015293624

WPI ACC NO: 2005-643776/

**Performance support system for e.g. movie tickets sale support system, automatically offers discount on ticket price when vacant seats exceed predetermined number**

Inventor: **KIMURA T**

**Title Terms/Index Terms/Additional Words:** PERFORMANCE; SUPPORT; SYSTEM;  
**MOVIE** ; TICKET; SALE; AUTOMATIC; OFFER; DISCOUNT; PRICE; VACANCY; SEAT;  
PREDETERMINED; NUMBER

**Original Publication Data by Authority**

Inventor name &amp; address:

**KIMURA T** , Basic Derwent Week: 200566

**14/TI,AU,IV,6/2 (Item 2 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0015078556

WPI ACC NO: 2005-427998/

**Content viewing support apparatus for TV broadcast, obtains preview scene of each broadcast content, generates next preview scene recorded data, and presents recorded scene when programmed recording of program is requested by user**

**Original Titles:**

Unterstützungs- Vorrichtung und Methode zur Betrachtung von visuellem Inhalt sowie ein entsprechendes Computerprogramm

Content viewing support apparatus, content viewing support method and corresponding **computer program**

Appareil et methode de support de visualisation de contenus et programme d'ordinateur correspondant

METHOD AND APPARATUS FOR ASSISTING VIEWING CONTENT, AND **COMPUTER PROGRAM**

Content viewing support apparatus and content viewing support method, and **computer program**

Inventor: FUJIWARA N; **KOIKE H** ; MIYAZAKI M; NARAHARA T; SAITO M; YAMAMOTO N

**Title Terms/Index Terms/Additional Words:** CONTENT; VIEW; SUPPORT; APPARATUS  
; TELEVISION; BROADCAST; OBTAIN; PREVIEW; SCENE; GENERATE; RECORD; DATA;  
PRESENT; PROGRAM; REQUEST; USER

**Original Publication Data by Authority**

Inventor name &amp; address:

Fujiwara, Nobuyuki, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

Narahara, Tatsuya, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

Yamamoto, Noriyuki, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

Saito, Mari, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

Miyazaki, Mitsuhiro, Sony Corporation, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

**Koike, Hiroyuki, Sony Corporation**, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo, JP, Shinagawa-ku, Tokyo, JP

FUJIWARA NOBUYUKI,  
NARAHARA TATSUYA,  
YAMAMOTO NORIYUKI,  
SAITO MARI,  
MIYAZAKI MITSUHIRO,

**KOIKE HIROYUKI**,

FUJIWARA N,  
NARAHARA T,  
YAMAMOTO N,  
SAITO M,  
MIYAZAKI M,

**KOIKE H**,

Fujiwara, Nobuyuki, Kanagawa, JP, Kanagawa, JP

Narahara, Tatsuya, Kanagawa, JP, Kanagawa, JP

Yamamoto, Noriyuki, Kanagawa, JP, Kanagawa, JP

Saito, Mari, Kanagawa, JP, Kanagawa, JP

Miyazaki, Mitsuhiro, Kanagawa, JP, Kanagawa, JP

**Koike, Hiroyuki**, Kanagawa, JP, Kanagawa, JP Basic Derwent Week: 200544

**14/TI,AU,IV,6/3 (Item 3 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014824168

WPI ACC NO: 2005-171858/

**Online shopping method for use in shopping site, involves granting  
privilege to information provider, who has provided received reply message,  
based on evaluation of information provided by information provider**

**Original Titles:**

Online shopping method and system

Inventor: IIDA S; NAKAGAWA H; **OKAYAMA N**; TAKAGI K

**Title Terms/Index Terms/Additional Words:** SHOPPING; METHOD; SITE;  
INFORMATION; RECEIVE; REPLY; MESSAGE; BASED; EVALUATE

**Original Publication Data by Authority**

Inventor name & address:

Takagi, Kenjiro, Kawasaki, JP, Kawasaki, JP

**Okayama, Nobuya**, Kawasaki, JP, Kawasaki, JP

Iida, Shigeru, Tokyo, JP, Tokyo, JP

Nakagawa, Hiroko, Tokyo, JP, Tokyo, JP

Basic Derwent Week: 200518

**14/TI,AU,IV,6/4 (Item 4 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014671042

WPI ACC NO: 2005-018623/

**Personal computer for recommending television program, recommends to TV  
program searched based on user preference information, according to  
selected reason for recommendation**

**Original Titles:**

INFORMATION PROCESSOR AND INFORMATION PROCESSING METHOD, PROGRAM, AND RECORDING MEDIUM

Inventor: FUJIWARA N; **KOIKE H** ; MIYAZAKI M; NARAHARA T; SAITO M; YAMAMOTO N

**Title Terms**/Index Terms/Additional Words: PERSON; COMPUTER; TELEVISION; PROGRAM; SEARCH; BASED; USER; PREFER; INFORMATION; ACCORD; SELECT; REASON

**Original Publication Data by Authority**

Inventor name & address:

SAITO MARI,  
YAMAMOTO NORIYUKI,  
MIYAZAKI MITSUHIRO,  
FUJIWARA NOBUYUKI,  
NARAHARA TATSUYA,  
**KOIKE HIROYUKI** , Basic Derwent Week: 200502

**14/TI,AU,IV,6/5** (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014569756

WPI ACC NO: 2004-751714/

Digital content license and privilege management method involves using retained information digital content purchaser, to provide privileges to purchaser during purchase of another content

**Original Titles:**

LICENSE AND PRIVILEGE MANAGEMENT METHOD FOR **DIGITAL CONTENT** SELLING License and privilege management method in **digital contents** sale

Inventor: ARAI T; NAKAGAWA H; NIINO T; NIINO T; OKAYAMA M; **OKAYAMA N** ; TAKAGI K

**Title Terms**/Index Terms/Additional Words: DIGITAL; CONTENT; LICENCE; MANAGEMENT; METHOD; RETAIN; INFORMATION; PURCHASE

**Original Publication Data by Authority**

Inventor name & address:

OKAYAMA MASAYA,  
NAKAGAWA HIROKO,  
ARAI TATSURO,  
NIINO TAKETOSHI,  
TAKAGI KENJIRO,  
**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JP  
Nakagawa, Hiroko, Tokyo, JP, Tokyo, JP  
Arai, Tatsuro, Ebina, JP, Ebina, JP  
Niinou, Taketoshi, Tokyo, JP, Tokyo, JP  
Takagi, Kenjiro, Kawasaki, JP, Kawasaki, JP  
Basic Derwent Week: 200474

**14/TI,AU,IV,6/6** (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014513791

WPI ACC NO: 2004-695726/

**Content delivery method in computer, mobile telephone, involves calculating charging amount of displayed electronic content in information terminal based on user input operation**

**Original Titles:**

CONTENT DELIVERY METHOD

Contents delivering method

Inventor: AKITOMO Y; MORI D; OKAYAMA M; TAKAGI K; AKITOMO M; **OKAYAMA N**

**Title Terms/Index Terms/Additional Words:** CONTENT; DELIVER; METHOD;  
COMPUTER; MOBILE; TELEPHONE; CALCULATE; CHARGE; AMOUNT; DISPLAY;  
ELECTRONIC; INFORMATION; TERMINAL; BASED; USER; INPUT; OPERATE

**Original Publication Data by Authority**

Inventor name &amp; address:

AKITOMO Y,

MORI D,

TAKAGI K,

OKAYAMA M,

AKITOMO YOSHIO,

MORI DAISAKU,

TAKAGI KENJIRO,

OKAYAMA MASAYA,

Akitomo, Miho, Tokyo, JP, Tokyo, JP

Mori, Daisaku, Osaka, JP, Osaka, JP

Takagi, Kenjiro, Kawasaki, JP, Kawasaki, JP

**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JPBASIC Derwent Week: 200468**14/TI,AU,IV,6/7 (Item 7 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014341205

WPI ACC NO: 2004-529345/

**Information processor in television broadcasting, generates attribute information matching with predetermined classification result obtained on categorizing acquired information related to content**

**Original Titles:**

INFORMATION PROCESSOR, INFORMATION PROCESSING METHOD, INFORMATION PROCESSING SYSTEM, RECORDING MEDIUM, AND PROGRAM

Inventor: **KOIKE H** ; MIYAZAKI M; SAITO M; YAMAMOTO N

**Title Terms/Index Terms/Additional Words:** INFORMATION; PROCESSOR;  
TELEVISION; BROADCAST; GENERATE; ATTRIBUTE; MATCH; PREDETERMINED;  
CLASSIFY; RESULT; OBTAIN; ACQUIRE; RELATED; CONTENT

**Original Publication Data by Authority**

Inventor name &amp; address:

YAMAMOTO NORIYUKI,

MIYAZAKI MITSUHIRO,

SAITO MARI,

**KOIKE HIROYUKI** ,

Basic Derwent Week: 200451

**14/TI,AU,IV,6/8 (Item 8 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014184563

WPI ACC NO: 2004-369949/

**House-keeping book production method in e.g. personal computer, involves correlating input furigana with already registered article names, to display article names starting with input furigana, on pull-down menu.**

**Original Titles:**

METHOD FOR PREPARING HOUSEKEEPING ACCOUNT BOOK AND **COMPUTER PROGRAM**  
USING THE SAME

Inventor: **KIMURA T** ; KIYOFUJI N; SHINOHARA T

**Title Terms/Index Terms/Additional Words:** HOUSE; KEEP; BOOK; PRODUCE;  
METHOD; PERSON; COMPUTER; CORRELATE; INPUT; REGISTER; ARTICLE; NAME;  
DISPLAY; START; PULL; DOWN; MENU

**Original Publication Data by Authority**

Inventor name & address:

SHINOHARA TORU,

**KIMURA TETSUYA** ,

KIYOFUJI NAOYUKI,

Basic Derwent Week: 200435

**14/TI,AU,IV,6/9 (Item 9 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0014143546

WPI ACC NO: 2004-328323/

**Electronic commerce method involves packing encrypted and processed electronic document data obtained by compressing difference information of document and template data and message digest of document data**

**Original Titles:**

METHOD FOR ELECTRONIC COMMERCE

Electronic commerce method

Inventor: ARISAKA T; BENIYAMA N; **KOIKE H** ; KOMATA M; KONDO K; KUREYAMA N;  
OMATA M

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; METHOD; PACK;  
ENCRYPTION; PROCESS; DOCUMENT; DATA; OBTAIN; COMPRESS; DIFFER;  
INFORMATION; TEMPLATE; MESSAGE; DIGEST

**Original Publication Data by Authority**

Inventor name & address:

ARISAKA TAKESHI,

KONDO KO,

KUREYAMA NOBUO,

**KOIKE HIROSHI** ,

KOMATA MITSUTERU,

Arisaka, Takeshi, Kawasaki, JP, Kawasaki, JP

Kondo, Kaori, Yamato, JP, Yamato, JP

Beniyama, Nobuo, Kawasaki, JP, Kawasaki, JP

**Koike, Hiroshi** , Maebashi, JP, Maebashi, JP  
Omata, Mitsuteru, Zama, JP, Zama, JP  
Basic Derwent Week: 200430

**14/TI,AU,IV,6/10** (Item 10 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013818703

WPI ACC NO: 2003-642120/

**Mobile advertising system using vehicle e.g. bus, has advertising video selection function to select advertising video information in hard disk or video information received from delivery server, based on detected present position**

**Original Titles:**

MOBILE ADVERTISEMENT SYSTEM FOR CHANGING DISPLAY CONTENT IN RESPONSE TO POSITION, AND MOBILE ADVERTISEMENT METHOD  
Inventor: **KIMURA T**

**Title Terms/Index Terms/Additional Words:** MOBILE; ADVERTISE; SYSTEM;  
VEHICLE; BUS; **VIDEO** ; SELECT; FUNCTION; INFORMATION; HARD; DISC; RECEIVE  
; DELIVER; SERVE; BASED; DETECT; PRESENT; POSITION

**Original Publication Data by Authority**

Inventor name & address:

**KIMURA TAKUMI** ,  
Basic Derwent Week: 200361

**14/TI,AU,IV,6/11** (Item 11 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013698814

WPI ACC NO: 2003-795895/

**Print service provision system divides charge paid by customer by price exchange system, mutually among print service provider and content provider, based on charging data**

**Original Titles:**

INFORMATION PROCESSING SYSTEM AND INFORMATION PROCESSOR AND SETTLEMENT PROCESSING METHOD AND STORAGE MEDIUM FOR READABLY STORING PROGRAM FOR EXECUTING THIS METHOD IN INFORMATION PROCESSOR AND ITS PROGRAM  
Inventor: FUJIKAWA S; FUKUDA M; HATORI K; **KIMURA T0** ; MATOBA T; MIYOUKI Y;  
NAITO K

**Title Terms/Index Terms/Additional Words:** PRINT; SERVICE; PROVISION; SYSTEM  
; DIVIDE; CHARGE; PAY; CUSTOMER; PRICE; EXCHANGE; MUTUAL; CONTENT; BASED;  
DATA

**Original Publication Data by Authority**

Inventor name & address:

FUKUDA MASATO,  
NAITO KIKUO,  
HATORI KAZUE,  
MIYOUKI YUTAKA,

MATOKA TATSUO,  
FUJIKAWA SHINJI,  
**KIMURA TORU** ,  
Basic Derwent Week: 200375

**14/TI,AU,IV,6/12 (Item 12 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013676633  
WPI ACC NO: 2003-773229/  
**Text handling system for Internet chat, displays user remark as utterance  
of words by avatar displayed on chat screen of each user terminal**

**Original Titles:**

TEXT HANDLING SYSTEM IN CONNECTION WITH CHARACTER, SERVER, AND **COMPUTER  
PROGRAM**

Inventor: ANEGAWA M; **KOIKE H** ; MURAKAMI H; TANIGUCHI N

**Title Terms**/Index Terms/Additional Words: TEXT; HANDLE; SYSTEM; DISPLAY;  
USER; WORD; SCREEN; TERMINAL

**Original Publication Data by Authority**

Inventor name & address:  
ANEGAWA MIGAKU,  
TANIGUCHI NAOTADA,  
**KOIKE HIKARI** ,  
MURAKAMI HIROYUKI,  
Basic Derwent Week: 200373

**14/TI,AU,IV,6/13 (Item 13 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013641415  
WPI ACC NO: 2003-737346/  
Digital content **utilization charge calculation apparatus using  
Internet, calculates charge based on charge information for each  
classification of contents and timing between starting and completion of  
content delivery**

**Original Titles:**

DEVICE, PROGRAM MD METHOD FOR CHARGING CONTENTS FEE, AND PROGRAM RECORDING  
MEDIUM

Inventor: HASEBE; HAYASHI K; **KIMURA T** ; KUWAKO J; OGURA M; ONISHI Y;  
YAMAZAKI T

**Title Terms**/Index Terms/Additional Words: DIGITAL; CONTENT; UTILISE; CHARGE  
; CALCULATE; APPARATUS; BASED; INFORMATION; CLASSIFY; TIME; START;  
COMPLETE; DELIVER

**Original Publication Data by Authority**

Inventor name & address:  
ONISHI YOSHIO,  
HASEBE JUN,  
KUWAKO JUNICHI,

**KIMURA TOMOKO** ,  
**YAMAZAKI TAKESHI**,  
**OGURA MITSUO**,  
**HAYASHI KENJI**,  
Basic Derwent Week: 200370

**14/TI,AU,IV,6/14** (Item 14 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013566646

WPI ACC NO: 2003-660922/

**Data processing system, has control server for managing user information,  
and peer information processing devices having content in which user  
interest information is retrieved from database**

**Original Titles:**

**SYSTEM AND METHOD FOR DATA PROCESSING, INFORMATION PROCESSOR AND COMPUTER  
PROGRAM**

Data processing system, data processing method, information processing  
device, and **computer program**

Inventor: FURUYAMA M; **KOIKE H** ; KOYAMA N

**Title Terms/Index Terms/Additional Words:** DATA; PROCESS; SYSTEM; CONTROL;  
SERVE; MANAGE; USER; INFORMATION; PEER; DEVICE; CONTENT; INTEREST;  
RETRIEVAL; DATABASE

**Original Publication Data by Authority**

Inventor name & address:

**KOIKE HIROYUKI** ,  
FURUYAMA MASAKAZU,  
**Koike, Hiroyuki** , Kanagawa, JP, Kanagawa, JP  
Koyama, Nobukazu, Kanagawa, JP, Kanagawa, JP  
Basic Derwent Week: 200362

**14/TI,AU,IV,6/15** (Item 15 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013518654

WPI ACC NO: 2003-611748/

**File control apparatus for optical disk, includes two file quota tables  
storing file folder management information according to different  
hierarchical structures of which one is updated during file processing**

**Original Titles:**

**DYNAMIC LINK SYSTEM**

Inventor: **KIMURA T** ; NOMURA N; UEDA T

**Title Terms/Index Terms/Additional Words:** FILE; CONTROL; APPARATUS; OPTICAL  
; DISC; TWO; TABLE; STORAGE; FOLDER; MANAGEMENT; INFORMATION; ACCORD;  
HIERARCHY; STRUCTURE; ONE; UPDATE; PROCESS

**Original Publication Data by Authority**

Inventor name & address:

UEDA TARO,



**KIMURA TAKU** ,  
NOMURA NAOKI,  
Basic Derwent Week: 200358

**14/TI,AU,IV,6/16** (Item 16 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013326108

WPI ACC NO: 2003-413470/

**Information receiver used to pre-fetch and store useful information, such as news , has pre-fetch storage processing unit which selects provided information, stored in information memory, based on estimated moving direction of user**

**Original Titles:**

PROVIDED INFORMATION RECEIVER

Inventor: FUJISAWA K; ISHIKAWA K; **KIMURA T** ; MATSUMURA K; MIYASAKA E

**Title Terms/Index Terms/Additional Words:** INFORMATION; RECEIVE; PRE; FETCH;  
STORAGE; USEFUL; **NEWS** ; PROCESS; UNIT; SELECT; MEMORY; BASED; ESTIMATE;  
MOVE; DIRECTION; USER

**Original Publication Data by Authority**

Inventor name &amp; address:

ISHIKAWA KOICHI,

MIYASAKA EIICHI,

**KIMURA TAKESHI** ,

FUJISAWA KAZUYA,

MATSUMURA KINJI,

Basic Derwent Week: 200339

**14/TI,AU,IV,6/17** (Item 17 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013200732

WPI ACC NO: 2003-284958/

**Stock purchase/transfer rights processing system for company, updates stored data regarding stock purchase and transfer rights by processing request for purchasing or transferring stock, received from claimant**

**Original Titles:**STOCK OPTION PROCESSING SYSTEM, AND COMPUTER **SOFTWARE** PROGRAM FOR THE SYSTEMInventor: ANDO M; HAYASHIDA T; **KIMURA T** ; KITAGISHI Y

**Title Terms/Index Terms/Additional Words:** STOCK; PURCHASE; TRANSFER;  
PROCESS; SYSTEM; COMPANY; UPDATE; STORAGE; DATA; REQUEST; RECEIVE

**Original Publication Data by Authority**

Inventor name &amp; address:

ANDO MICHITOMO,

KITAGISHI YOSHIO,

**KIMURA TOMOYUKI** ,

HAYASHIDA TAKAHIRO,

Basic Derwent Week: 200328

**14/TI,AU,IV,6/18** (Item 18 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013131871

WPI ACC NO: 2003-214106/

**Receipt data output control device controls transmission of electronic receipt to electronic receipt receiver, transmission of data to printing device and transceiving of data with respect to host computer**

**Original Titles:**

OUTPUT CONTROLLER FOR RECEIPT DATA, ELECTRONIC RECEIPT RECEIVING DEVICE,  
AND OUTPUT CONTROL METHOD FOR RECEIPT DATA AND ITS RECORDING MEDIUM

Inventor: **KIMURA T** ; NOBETANI T

**Title Terms/Index Terms/Additional Words:** RECEIPT; DATA; OUTPUT; CONTROL;  
DEVICE; TRANSMISSION; ELECTRONIC; RECEIVE; PRINT; TRANSCEIVER; RESPECT;  
HOST; COMPUTER

**Original Publication Data by Authority**

Inventor name &amp; address:

NOBETANI TSUTOMU,

**KIMURA TAMOTSU** ,

Basic Derwent Week: 200321

**14/TI,AU,IV,6/19** (Item 19 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013117419

WPI ACC NO: 2003-199112/

**Digital content delivery method through internet, involves determining transmission of specific content information to user based on digital content presentation capability information**

**Original Titles:**

**DIGITAL CONTENTS** AUDIO-VISUAL METHOD AND SYSTEM

**Digital contents** watching method and its system

Inventor: ARAI T; ARISAKA T; **KOIKE H** ; **NAMIOKA M** ; OKAYAMA M; **OKAYAMA N**

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; DELIVER; METHOD  
; THROUGH; DETERMINE; TRANSMISSION; SPECIFIC; INFORMATION; USER; BASED;  
PRESENT; CAPABLE

**Original Publication Data by Authority**

Inventor name &amp; address:

ARISAKA TAKESHI,

OKAYAMA MASAYA,

**KOIKE HIROSHI** ,**NAMIOKA MIYOKO** ,

ARAI TATSURO,

Arisaka, Takeshi, Tokyo, JP, Tokyo, JP

**Okayama, Nobuya** , Tokyo, JP, Tokyo, JP**Koike, Hiroshi** , Tokyo, JP, Tokyo, JP

Namioka, Miyoko , Tokyo, JP, Tokyo, JP  
Arai, Tatsuro, Tokyo, JP, Tokyo, JP Basic Derwent Week: 200319

**14/TI,AU,IV,6/20 (Item 20 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013080105

WPI ACC NO: 2003-160688/

**Electronic lot implementation method involves transmitting predetermined lot format from lot sponsor to agency from which it is transmitted to clients**

**Original Titles:**

METHOD AND COMPUTER PROGRAM FOR ELECTRONIC LOT DRAWING

Inventor: KIMURA T ; NAKANO H

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; LOT; IMPLEMENT;  
METHOD; TRANSMIT; PREDETERMINED; FORMAT; AGENT; CLIENT

**Original Publication Data by Authority**

Inventor name &amp; address:

NAKANO HIRONORI,

KIMURA TORU ,

Basic Derwent Week: 200316

**14/TI,AU,IV,6/21 (Item 21 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0012986274

WPI ACC NO: 2003-063972/

**Data decoding method for music , electronic publication, involves using decoding key to output designated decoding information with respect to selected range of encrypted data**

**Original Titles:**

DATA DECODING METHOD, DATA DECODER, AND DATA SALES SYSTEM

Inventor: HATOOKA J; IWASAKI K; KOBAYASHI R; KOIKE H ; SHIRAISHI M

**Title Terms/Index Terms/Additional Words:** DATA; DECODE; METHOD; MUSIC ;  
ELECTRONIC; PUBLICATION; KEY; OUTPUT; DESIGNATED; INFORMATION; RESPECT;  
SELECT; RANGE; ENCRYPTION

**Original Publication Data by Authority**

Inventor name &amp; address:

SHIRAISHI MASAHISA,

IWASAKI KAZUMASA,

KOBAYASHI RIE,

KOIKE HIROSHI ,

HATOOKA JUNICHI, Basic Derwent Week: 200306

**14/TI,AU,IV,6/22 (Item 22 from file: 350)**  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0012761124

WPI ACC NO: 2002-614671/

**Image providing device used on the internet, has transmitter that sends signals of images from monitoring cameras and signals of stored speck data and situation data to internet**

**Original Titles:**

DEVICE AND METHOD FOR PROVIDING IMAGE

Inventor: **KIMURA T** ; KITAMURA K; MIYABE Y; OKAMOTO T; SASAKI T; SUSAN;  
TAKAHASHI T; YONEUCHI K

**Title Terms/Index Terms/Additional Words:** IMAGE; DEVICE; TRANSMIT; SEND;  
SIGNAL; MONITOR; CAMERA; STORAGE; SPECK; DATA; SITUATE

**Original Publication Data by Authority**

Inventor name &amp; address:

KITAMURA KENJI,

TAKAHASHI TORU,

SUSANAO KAZU,

OKAMOTO TAKAO,

**KIMURA TAKAYUKI** ,

MIYABE YUTAKA,

SASAKI TOSHIKI,

YONEUCHI KEIJI,

Basic Derwent Week: 200266

**14/TI,AU,IV,6/23 (Item 23 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0012759861

WPI ACC NO: 2002-613407/

**Music delivery device evaluates sentimental feeling of music requisition client and accordingly searches music data**

**Original Titles:**

DEVICE AND METHOD FOR **MUSIC** DISTRIBUTION USING COMMUNICATION LINE, AND  
COMPUTER READABLE RECORDING MEDIUM RECORDING **MUSIC** DISTRIBUTION PROGRAM

Inventor: **KIMURA T** ; SASAKI H; SHIROMIZU H

**Title Terms/Index Terms/Additional Words:** **MUSIC** ; DELIVER; DEVICE;  
EVALUATE; FEEL; CLIENT; ACCORD; SEARCH; DATA

**Original Publication Data by Authority**

Inventor name &amp; address:

SHIROMIZU HIROSHI,

SASAKI HIDEAKI,

**KIMURA TAKASHI** ,

Basic Derwent Week: 200266

**14/TI,AU,IV,6/24 (Item 24 from file: 350)**

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0012754325

WPI ACC NO: 2002-607507/

Digital contents licensing fee calculating method involves calculating number of times digital contents viewed and listened at user terminal, based on which copyright fee is calculated

**Original Titles:**

Method and system for calculating licensing fee of digital contents and medium recorded with operational program for the method and system

Inventor: ARAI T; KAWAGUCHI H; KINOSHITA J; KOIKE H ; OKAYAMA M; OKAYAMA N ; ONIMARU H; ORIMO M

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; FEE; CALCULATE; METHOD; NUMBER; TIME; VIEW; USER; TERMINAL; BASED

**Original Publication Data by Authority**

Inventor name & address:

OKAYAMA MASAYA,

ONIMARU HIROYA,

ORIMO MASAYUKI,

KINOSHITA JUNICHI,

KAWAGUCHI HISAMITSU,

ARAI TATSURO,

KOIKE HIROSHI ,

OKAYAMA N ,

ONIMARU H,

ORIMO M,

KINOSHITA J,

KAWAGUCHI H,

ARAI T,

KOIKE H ,

Okayama, Nobuya , Kawasaki, JP, Kawasaki, JP

Onimaru, Hiroya, Owariasahi, JP, Owariasahi, JP

Orimo, Masayuki, Kawasaki, JP, Kawasaki, JP

Kinoshita, Jun?apos; ichi, Tokyo, JP, Tokyo, JP

Kawaguchi, Hisamitsu, Sagamihara, JP, Sagamihara, JP

Arai, Tatsuro, Ebina, JP, Ebina, JP

Koike, Hiroshi , Maebashi, JP, Maebashi, JPBASIC Derwent Week: 200265

14/TI,AU,IV,6/25 (Item 25 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0012693320

WPI ACC NO: 2002-544282/

Advertisement allocation in video program distribution system, involves assigning advertiser's advertisement to specific video scene of video program, which is selected from displayed menu

**Original Titles:**

ADVERTISEMENT ASSIGNMENT METHOD, VIDEO CONTENTS DISTRIBUTION SYSTEM

Inventor: KIMURA T ; UOSAWA H; YOKOSATO J

**Title Terms/Index Terms/Additional Words:** ADVERTISE; ALLOCATE; VIDEO ; PROGRAM; DISTRIBUTE; SYSTEM; ASSIGN; SPECIFIC; SCENE; SELECT; DISPLAY; MENU

**Original Publication Data by Authority**

Inventor name & address:

**KIMURA TOSHIYUKI** ,  
YOKOSATO JUNICHI,  
UOSAWA HIDEAKI, Basic Derwent Week: 200258

**14/TI,AU,IV,6/26** (Item 26 from file: 350)  
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0012272912

WPI ACC NO: 2002-213550/

**Goods delivery system for shop, compares the electronic cargo data read from loaded goods, with communication priority data, based on which warning message is displayed**

**Original Titles:**

CARGO DELIVERY SYSTEM AND PORTABLE MULTI-READER THEREFOR

Inventor: **KIMURA T** ; NAGATA A; YOSHIDA I

**Title Terms/Index Terms/Additional Words:** GOODS; DELIVER; SYSTEM; SHOP;  
COMPARE; ELECTRONIC; CARGO; DATA; READ; LOAD; COMMUNICATE; PRIORITY;  
BASED; WARNING; MESSAGE; DISPLAY

**Original Publication Data by Authority**

Inventor name & address:

YOSHIDA ICHIRO,  
NAGATA ASAKO,  
**KIMURA TATSU** ,  
Basic Derwent Week: 200227

**14/TI,AU,IV,6/27** (Item 27 from file: 350)  
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0010996003

WPI ACC NO: 2001-621104/

**Electronic advertising delivery method involves choosing electronic advertisement in which variation is included, and generating and sending selection processed digital contents data information terminal**

**Original Titles:**

METHOD AND DEVICE FOR ELECTRONIC ADVERTISEMENT DISTRIBUTION AND STORAGE MEDIUM STORED WITH PROCESSING PROGRAM THEREOF

Inventor: **KOIKE H** ; OKAYAMA M

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; ADVERTISE; DELIVER;  
METHOD; CHOICE; VARIATION; GENERATE; SEND; SELECT; PROCESS; DIGITAL;  
CONTENT; DATA; INFORMATION; TERMINAL

**Original Publication Data by Authority**

Inventor name & address:

OKAYAMA MASAYA,  
**KOIKE HIROSHI** ,  
Basic Derwent Week: 200172

14/TI,AU,IV,6/28 (Item 28 from file: 350)  
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0010704408

WPI ACC NO: 2001-314778/

Digital contents vending method for selling personal digital  
contents the replay of which is limited to the purchaser to prevent  
illegal use of sold digital contents , e.g. an electronic book sold in a  
book store

**Original Titles:**

Verfahren und Anordnung zum Verkauf digitaler Daten  
Method and apparatus for selling **digital contents**  
Procede et dispositif de vente de donnees numeriques  
SELLING METHOD AND DEVICE OF **DIGITAL CONTENTS** AND MEDIUM RECORDING  
PROCESSING PROGRAM OF THE METHOD AND DEVICE  
Method and apparatus for selling **digital contents** , processing program  
thereof and recording medium for the program  
Method and apparatus for selling **digital contents** , processing program  
thereof and recording medium for the program  
Method and apparatus for selling **digital contents** , processing program  
thereof and recording medium for the program  
Inventor: ICHIHARA S; **KOIKE H** ; OKAYAMA M; **OKAYAMA N** ; ONIMARU H; ORIMO M  
**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; VENDING; METHOD  
; SELL; PERSON; REPLAY; LIMIT; PURCHASE; PREVENT; ILLEGAL; SOLD;  
ELECTRONIC; BOOK; STORAGE

**Original Publication Data by Authority**

Inventor name &amp; address:

**Okayama, Nobuya** , 810-B301, Ogura, Saiwai-ku, Kawasaki-shi, JP,  
Kawasaki-shi, JP  
Orimo, Masayuki, 1-1-510, Hakusan-5-chome, Asao-ku, Kawasaki-shi, JP,  
Kawasaki-shi, JP  
**Koike, Hiroshi** , 268-3, Ryuzojimachi, Maebashi-shi, JP, Maebashi-shi, JP  
Onimaru, Hiroya, 5, Kitahonjigaharacho-2-chome, Owariasahi-shi, JP,  
Owariasahi-shi, JP  
Ichiهارa, Seiji, 111-D210, Haruokachohigashi, Owariasahi-shi, JP,  
Owariasahi-shi, JP  
OKAYAMA MASAYA,  
ORIMO MASAYUKI,  
**KOIKE HIROSHI** ,  
ONIMARU HIROYA,  
ICHIHARA SEIJI,  
OKAYAMA M,  
ORIMO M,  
**KOIKE H** ,  
ONIMARU H,  
ICHIHARA S,  
**Okayama, Nobuya** , Kawasaki-shi, JP, Kawasaki-shi, JP  
Orimo, Masayuki, Kawasaki-shi, JP, Kawasaki-shi, JP  
**Koike, Hiroshi** , Maebashi-shi, JP, Maebashi-shi, JP  
Onimaru, Hiroya, Owariasahi-shi, JP, Owariasahi-shi, JP  
Ichiهارa, Seiji, Owariasahi-shi, JP, Owariasahi-shi, JP  
**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JP  
Orimo, Masayuki, Kawasaki, JP, Kawasaki, JP  
**Koike, Hiroshi** , Maebashi, JP, Maebashi, JP  
Onimaru, Hiroya, Owariasahi, JP, Owariasahi, JP  
Ichiهارa, Seiji, Owariasahi, JP, Owariasahi, JP

**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JP  
Orimo, Masayuki, Kawasaki, JP, Kawasaki, JP  
**Koike, Hiroshi** , Maebashi, JP, Maebashi, JP  
Onimaru, Hiroya, Owariasahi, JP, Owariasahi, JP  
Ichihara, Seiji, Owariasahi, JP, Owariasahi, JPBasic Derwent Week: 200133

**14/TI,AU,IV,6/29** (Item 29 from file: 350)  
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0010587901

WPI ACC NO: 2001-193014/

**Managing schedule of delivery data in electronic data distribution has delivery data and evaluation value digitized and registered in storage and management server**

**Original Titles:**

Steuerung der Lieferung digitaler Daten

**Digital data** delivery management

Gestion du livraison de donnees numeriques

DISTRIBUTION SCHEDULE MANAGEMENT METHOD AND DEVICE

Delivery schedule management method, apparatus for implementing the method, processing program thereof and medium having the program recorded therein

Inventor: IGAWA K; IKAWA K; **KOIKE H** ; OKAYAMA M; **OKAYAMA N**

**Title Terms/Index Terms/Additional Words:** MANAGE; SCHEDULE; DELIVER; DATA;  
ELECTRONIC; DISTRIBUTE; EVALUATE; VALUE; DIGITAL; REGISTER; STORAGE;  
MANAGEMENT; SERVE

**Original Publication Data by Authority**

Inventor name & address:

Igawa, Kumiko, 176-7, Okagami, Asao-ku, Kawasaki-shi, JP, Kawasaki-shi, JP

**Okayama, Nobuya** , 810-B301, Ogura, Sawai-ku, Kawasaki-shi, JP,

Kawasaki-shi, JP

**Koike, Hiroshi** , 268-3, Ryuzojimachi, Maebashi-shi, JP, Maebashi-shi, JP

IGAWA KUMIKO,

OKAYAMA MASAYA,

**KOIKE HIROSHI** ,

IKAWA K,

OKAYAMA M,

**KOIKE H** ,

Igawa, Kumiko, Kawasaki, JP, Kawasaki, JP

**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JP

**Koike, Hiroshi** , Maebashi, JP, Maebashi, JPBasic Derwent Week: 200120

**14/TI,AU,IV,6/30** (Item 30 from file: 350)  
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0010325283

WPI ACC NO: 2000-639927/

**Complex digital content managing system when a plurality of digital complex contents with arbitrary construction are managed in a unified manner**

**Original Titles:**

Verfahren und System zum Verwalten von digitalen Daten mit komplexem Inhalt

Complex **digital content** managing method and complex **digital content** system



Methode et systeme de gestion de donnees numeriques de contenu complexe  
METHOD FOR MANAGING COMPOSITE **DIGITAL CONTENTS** AND COMPOSITE **DIGITAL CONTENTS** SYSTEM

Inventor: HIRAYAMA K; HIRYAMA K; KATSUKURA K; **KOIKE H** ; MATSUZAWA S;  
**NAMIOKA M** ; TAKAHASHI H

**Title Terms**/Index Terms/Additional Words: COMPLEX; DIGITAL; CONTENT; MANAGE  
; SYSTEM; PLURAL; ARBITRARY; CONSTRUCTION; UNIFIED; MANNER

**Original Publication Data by Authority**

Inventor name & address:

**Namioka, Miyoko, c/o Hitachi, Ltd.** , Intel. Prop. Group, 5-1, Marunouchi  
1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo 100-8220, JP

**Koike, Hiroshi, c/o Hitachi, Ltd.** , Intell. Property Group, 5-1,  
Marounouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo  
100-8220, JP

Matsuzawa, Shigeru, c/o Hitachi, Ltd., Intell. Property Group, 5-1,  
Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo  
100-8220, JP

Takahashi, Hideo, c/o Hitachi, Ltd., Intell. Property Group, 5-1,  
Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo  
100-8220, JP

Katsukura, Keiichi, c/o Hitachi, Ltd., Intell. Prop. Group, 5-1,  
Marounouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo  
100-8220, JP

Hirayama, Kenichi, c/o Hitachi, Ltd., Intell. Property Group, 5-1,  
Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, JP, Chiyoda-ku, Tokyo  
100-8220, JP

**NAMIOKA MIYOKO** ,

**KOIKE HIROSHI** ,

MATSUZAWA SHIGERU,

TAKAHASHI HIDEO,

KATSUKURA KEIICHI,

HIRAYAMA KENICHI, Basic Derwent Week: 200062

**14/TI,AU,IV,6/31 (Item 31 from file: 350)**

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0010325271

WPI ACC NO: 2000-639914/

**System for preventing the use of digital contents which may be  
illegally copied, removed or downloaded in shopping centers and retail  
outlets engaged in processing the digital contents**

**Original Titles:**

Verfahren und System, um illegale Verwendung von digitalen Inhalten zu  
verhindern, Verarbeitungsprogramm hierfür sowie Aufzeichnungsmedium für  
dieses Programm

Verfahren und System um illegale Verwendung von digitalen Inhalten zu  
verhindern, Verarbeitungsprogramm hierfür sowie Aufzeichnungsmedium für  
dieses Programm

Method and system for preventing illegal use of **digital contents** ,  
processing program thereof, and recording medium for the program

Methode et systeme pour empecher l'utilisation illicite de contenus  
numeriques, ainsi que son programme de traitement et moyen  
d'enregistrement pour le programme

Verfahren und System, um illegale Verwendung von digitalen Inhalten zu  
verhindern, Verarbeitungsprogramm hierfür sowie Aufzeichnungsmedium für

dieses Programm

Method and system for preventing illegal use of **digital contents** ,  
processing program thereof, and recording medium for the program  
Methode et systeme pour empecher l'utilisation illicite de contenus  
numeriques, ainsi que son programme de traitement et moyen  
d'enregistrement pour le programme

**DIGITAL CONTENTS** ILLEGAL USE PREVENTING METHOD AND ITS IMPLEMENTATION  
SYSTEM, AND MEDIUM WHERE PROCESSING PROGRAM THEREOF IS RECORDED

Method and system for preventing illegal use of **digital contents** ,  
processing program thereof, and recording medium for the program

Inventor: ARAI S; **KOIKE H** ; OKAYAMA M; **OKAYAMA N** ; TOMITA T

**Title Terms/Index Terms/Additional Words:** SYSTEM; PREVENT; DIGITAL; CONTENT  
; COPY; REMOVE; SHOPPING; CENTRE; RETAIL; OUTLET; ENGAGE; PROCESS

**Original Publication Data by Authority**

Inventor name & address:

**Okayama, Nobuya** , 810-B301 Ogura, Saiwai-ku, Kawasaki-shi, JP, Saiwai-ku,  
Kawasaki-shi, JP

**Koike, Hiroshi** , 268-3 Ryuzojimachi, Maebashi-shi, JP, Maebashi-shi, JP  
Tomita, Taminori, 40-1-S321 Utsukushigaokanishi-2-chome, Aoba-ku,  
Yokohama-shi, JP, Aoba-ku, Yokohama-shi, JP

Arai, Shigeru, 6-25 Yotsuyakamicho, Kawaski-ku, Kawasaki-shi, JP,  
Kawaski-ku, Kawasaki-shi, JP

**Okayama, Nobuya** , 810-B301 Ogura, Saiwai-ku, Kawasaki-shi, JP, Saiwai-ku,  
Kawasaki-shi, JP

**Koike, Hiroshi** , 268-3 Ryuzojimachi, Maebashi-shi, JP, Maebashi-shi, JP  
Tomita, Taminori, 40-1-S321 Utsukushigaokanishi-2-chome, Aoba-ku,  
Yokohama-shi, JP, Aoba-ku, Yokohama-shi, JP

Arai, Shigeru, 6-25 Yotsuyakamicho, Kawaski-ku, Kawasaki-shi, JP,  
Kawaski-ku, Kawasaki-shi, JP

OKAYAMA MASAYA,

**KOIKE HIROSHI** ,

TOMITA TAMINORI,

ARAI SHIGERU,

OKAYAMA M,

**KOIKE H** ,

TOMITA T,

ARAI S,

**Okayama, Nobuya** , Kawasaki, JP, Kawasaki, JP

**Koike, Hiroshi** , Maebashi, JP, Maebashi, JP

Tomita, Taminori, Yokohama, JP, Yokohama, JP

Arai, Shigeru, Kawasaki, JP, Kawasaki, JPBasic Derwent Week: 200062

**14/TI,AU,IV,6/32 (Item 32 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0010302993

WPI ACC NO: 2000-616848/

**Value conversion of coupon ticket, pre-paid type utilization ticket,  
involves converting number of points of coupon ticket into money based on  
conversion ratio and adding result to balance of utilization ticket**

**Original Titles:**

CONVERSION METHOD OF POINT COUPON AND PREPAID COUPON, ELECTRONIC MALL  
DEVICE AND COMPUTER READABLE RECORDING MEDIUM WHICH RECORDS POINT  
COUPON/PREPAID TICKET CONVERSION PROGRAM

Inventor: HIRAYAMA K; IGAWA K; **KOIKE H** ; **NAMIOKA M** ; OKAYAMA M

**Title Terms/Index Terms/Additional Words:** VALUE; CONVERT; COUPON; TICKET;  
PRE; PAY; TYPE; NUMBER; POINT; MONEY; BASED; RATIO; ADD; RESULT; BALANCE

**Original Publication Data by Authority**

Inventor name & address:

OKAYAMA MASAYA,

IGAWA KUMIKO,

**KOIKE HIROSHI** ,

**NAMIOKA MIYOKO** ,

HIRAYAMA KENICHI, Basic Derwent Week: 200059

**14/TI,AU,IV,6/33 (Item 33 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0010298467

WPI ACC NO: 2000-612124/

**Digital content distribution system in which an original document is digitized and distributed from a content data management center to stores for selection by customers**

**Original Titles:**

Verfahren und System zum Verteilen von digitalen Inhalten

A method of and a system for distributing digital contents

Methode et systeme pour la distribution des contenus numeriques

DIGITAL CONTENTS DISTRIBUTING METHOD AND ITS IMPLEMENTATION SYSTEM, AND MEDIUM WHERE PROCESS PROGRAM THEREOF IS RECORDED

Method and system for preventing illegal use of digital contents,

processing program thereof, and recording medium for the program

A METHOD OF AND A SYSTEM FOR DISTRIBUTING DIGITAL CONTENTS

Method of and a system for distributing digital contents

Method of and a system for distributing digital contents

Inventor: ARAI S; IGAWA K; IKAWA K; **KOIKE H** ; MATSUSAWA S; MATSUZAWA S;

**NAMIOKA M** ; OKAYAMA M; **OKAYAMA N** ; ORIMO M; TOMITA T; ARAI S N M

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; DISTRIBUTE;  
SYSTEM; ORIGINAL; DOCUMENT; DATA; MANAGEMENT; STORAGE; SELECT; CUSTOMER

**Original Publication Data by Authority**

Inventor name & address:

OKAYAMA N,

KOIKE H,

TOMITA T,

ARAI S N M,

IKAWA K,

Koike, Hiroshi, 268-3, Ryuzojimachi, Maebashi-shi, JP, Maebashi-shi, JP

Okayama, Nobuya, 810-B301, Ogura, Saiwai-ku, Kawasaki-shi, JP, Kawasaki-shi

Orimo, Masayuki, 1-1-510, Hakusan-5-chome, Asao-ku, Kawasaki-shi, JP,

Kawasaki-shi, JP

Matsuzawa, Shigeru, 19-17, Tamagawagakuen-7-chome, Machida-shi, JP,

Machida-shi, JP

Namioka, Miyoko, 31-708, Sakuradai, Aoba-ku, Yokohama-shi, JP, Yokohama-shi

, JP

Igawa, Kumiko, 176-7, Okagami, Asao-ku, Kawasaki-shi, JP, Kawasaki-shi, JP  
KOIKE HIROSHI,  
OKAYAMA MASAYA,  
ORIMO MASAYUKI,  
MATSUZAWA SHIGERU,  
NAMIOKA MIYOKO,  
IGAWA KUMIKO,  
KOIKE H,  
OKAYAMA M,  
ORIMO M,  
MATSUSAWA S,  
NAMIOKA M,  
IKAWA K,  
Okayama, Nobuya, Kawasaki-shi, JP, Kawasaki-shi, JP  
Koike, Hiroshi, Maebashi-shi, JP, Maebashi-shi, JP  
Tomita, Taminori, Yokohama-shi, JP, Yokohama-shi, JP  
Arai, Shigeru, Kawasaki-shi, JP, Kawasaki-shi, JP  
KOIKE, HIROSHI, MAEBASHI-SHI, JP, MAEBASHI-SHI, JP  
OKAYAMA, NOBUYA, KAWASAKI-SHI, JP, KAWASAKI-SHI, JP  
ORIMO, MASAYUKI, KAWASAKI-SHI, JP, KAWASAKI-SHI, JP  
MATSUZAWA, SHIGERU, MACHIDA-SHI, JP, MACHIDA-SHI, JP  
NAMIOKA, MIYOKO, YOKOHAMA-SHI, JP, YOKOHAMA-SHI, JP  
IGAWA, KUMIKO, KAWASAKI-SHI, JP, KAWASAKI-SHI, JP  
Koike, Hiroshi, Maebashi-shi, JP, Maebashi-shi, JP  
Okayama, Nobuya, Kawasaki-shi, JP, Kawasaki-shi, JP  
Orimo, Masayuki, Kawasaki-shi, JP, Kawasaki-shi, JP  
Matsuzawa, Shigeru, Machida-shi, JP, Machida-shi, JP  
Namioka, Miyoko, Yokohama-shi, JP, Yokohama-shi, JP  
Igawa, Kumiko, Kawasaki-shi, JP, Kawasaki-shi, JP  
Koike, Hiroshi, Maebashi, JP, Maebashi, JP  
Okayama, Nobuya, Kawasaki, JP, Kawasaki, JP  
Orimo, Masayuki, Kawasaki, JP, Kawasaki, JP  
Matsuzawa, Shigeru, Machida, JP, Machida, JP  
Namioka, Miyoko, Kawasaki, JP, Kawasaki, JP  
Igawa, Kumiko, Kawasaki, JP, Kawasaki, JPBasic Derwent Week: 200059

**14/TI,AU,IV,6/34 (Item 34 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0009957213

WPI ACC NO: 2000-259222/

**Distributed office system with user terminals and 1 host server coupled via communication network for performing while maintaining smooth communications among geographically distributed workers uses one office space**

**Original Titles:**

System fur verteilte Buros und dafur geigentes Verwaltungsverfahren  
Distributed office system and management method thereof  
Systeme de bureaux distribues et methode de gestion associee  
DISTRIBUTED OFFICE SYSTEM AND MANAGEMENT METHOD THEREFOR  
DISTRIBUTED OFFICE SYSTEM AND MANAGEMENT METHOD THEREOF  
Inventor: IMURA T; KATO M; **KIMURA T** ; SAKAKIBARA K; TADOKORO Y

**Title Terms/Index Terms/Additional Words:** DISTRIBUTE; OFFICE; SYSTEM; USER;  
TERMINAL; HOST; SERVE; COUPLE; COMMUNICATE; NETWORK; PERFORMANCE;  
MAINTAIN; SMOOTH; GEOGRAPHICAL; WORK; ONE; SPACE

**Original Publication Data by Authority**

## Inventor name &amp; address:

Sakakibara, Ken, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,  
Ohta-ku, Tokyo, JP, Ohta-ku, Tokyo, JP  
**Kimura, Toshihiro** , Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,  
Ohta-ku, Tokyo, JP, Ohta-ku, Tokyo, JP  
Tadokoro, Yoshihisa, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome,  
Ohta-ku, Tokyo, JP, Ohta-ku, Tokyo, JP  
Kato, Masami, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku,  
Tokyo, JP, Ohta-ku, Tokyo, JP  
SAKAKIBARA KEN,  
TADOKORO YOSHIHISA,  
KATO MASAMI,  
SAKAKIBARA, KEN, TOKYO, JP, TOKYO, JP  
IMURA, TOSHIHIRO, TOKYO, JP, TOKYO, JP  
TADOKORO, YOSHIHISA, TOKYO, JP, TOKYO, JP  
KATO, MASAMI, SAGAMIHARA-SHI, JP, SAGAMIHARA-SHI, JP  
Basic Derwent Week: 200023

**14/TI,AU,IV,6/35 (Item 35 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0009946377

WPI ACC NO: 2000-247986/

**File management apparatus for managing files of audio and/or video data to be recorded on or reproduced from recording medium that manages one or more of shared elements as one or more shared files**

**Original Titles:**

Dateienverwaltungsgerat und Verfahren, und Aufzeichnungsmedium das jenes beinhaltet

File management apparatus and method, and recording medium including same  
Dispositif et procede de gestion de fichiers, et medium d'enregistrement l'incorporant

FILE MANAGEMENT DEVICE AND METHOD AND SUPPLY MEDIUM

File management apparatus and method, and recording medium including same

Inventor: KIMURA S; **KIMURA T**

**Title Terms/Index Terms/Additional Words:** FILE; MANAGEMENT; APPARATUS;  
MANAGE; AUDIO; **VIDEO** ; DATA; RECORD; REPRODUCE; MEDIUM; ONE; MORE; SHARE  
; ELEMENT

**Original Publication Data by Authority**

## Inventor name &amp; address:

**Kimura, Tetsu**, c/o Intellectul Property Dpt. , Sony Corporation, 6-7-35  
Kitashinagawa, Shinagawa-ku, Tokyo 141, JP, Shinagawa-ku, Tokyo 141, JP  
KIMURA SATORU,  
**Kimura, Tetsu** , Kanagawa, JP, Kanagawa, JPB  
Basic Derwent Week: 200022

**14/TI,AU,IV,6/36 (Item 36 from file: 350)**

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0009552819

WPI ACC NO: 1999-498928/

**Multimedia data association method in internet - involves storing data searched from database correlation data and its corresponding terminal in**

**HTML format file****Original Titles:**

MULTIMEDIA DATA ASSOCIATING METHOD AND RECORD MEDIUM

Inventor: **KIMURA T** ; UMETSU H**Title Terms**/Index Terms/Additional Words: DATA; ASSOCIATE; METHOD; STORAGE; SEARCH; DATABASE; CORRELATE; CORRESPOND; TERMINAL; FORMAT; FILE**Original Publication Data by Authority**

Inventor name &amp; address:

UMETSU HIROZO,

**KIMURA TETSUO** ,

Basic Derwent Week: 199942

**14/TI,AU,IV,6/37** (Item 37 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0009339593

WPI ACC NO: 1999-272098/

**License circulation management method for materializing time loan pay per use modification of digital contents of e.g. license service condition document, musical instrument digital interface (MIDI) - involves updating license service-condition document based on modification data received from user terminal, monitoring utilization state of digital contents of MIDI based on monitoring data**

**Original Titles:**

LICENCE DISTRIBUTION MANAGING METHOD, SYSTEM THEREOF AND STORAGE MEDIUM

STORED WITH LICENCE CIRCULATION MANAGING PROGRAM

Inventor: INMAKI N; **KOIKE H** ; YOSHIKAWA K

**Title Terms**/Index Terms/Additional Words: LICENCE; CIRCULATE; MANAGEMENT; METHOD; TIME; LOAN; PAY; PER; MODIFIED; DIGITAL; CONTENT; SERVICE; CONDITION; DOCUMENT; **MUSIC** ; INSTRUMENT; INTERFACE; MIDI; UPDATE; BASED; DATA; RECEIVE; USER; TERMINAL; MONITOR; STATE

**Original Publication Data by Authority**

Inventor name &amp; address:

YOSHIKAWA KENICHI,

INMAKI NAOFUMI,

**KOIKE HIDEKI** , Basic Derwent Week: 199923**14/TI,AU,IV,6/38** (Item 38 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0008992034

WPI ACC NO: 1998-547187/

**Catalogue production method for electronic shopping system using internet - involves generating normal and optional goods data catalogue based on set indispensable item data and optional item data respectively**

**Original Titles:**ELECTRONIC SHOPPING SYSTEM AND METHOD FOR DEFINING **ELECTRONIC** CATALOG**DATA**

Electronic shopping system and method of defining **electronic** catalogue **data** therefor.

Inventor: HONDA Y; IMAMURA E; **KOIKE H** ; MIZOTE Y

**Title Terms/Index Terms/Additional Words:** CATALOGUE; PRODUCE; METHOD; ELECTRONIC; SHOPPING; SYSTEM; GENERATE; NORMAL; OPTION; GOODS; DATA; BASED; SET; ITEM; RESPECTIVE

**Original Publication Data by Authority**

Inventor name & address:

IMAMURA ETSUKO,

**KOIKE HIROSHI** ,

HONDA YURI,

MIZOTE YUJI,

Honda, Yuri, Tachikawa, JP, JP

Mizote, Yuji, Yokohama, JP, JP

Imamura, Etsuko, Yokohama, JP, JP

**Koike, Hiroshi** , Sagamihara, JP, JPBASIC Derwent Week: 199847

**14/TI,AU,IV,6/39 (Item 39 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01774136

**INFORMATION PROCESSING DEVICE AND METHOD, RECORDING MEDIUM, AND PROGRAM  
DATENVERARBEITUNGSVORRICHTUNG UND -VERFAHREN, AUFZEICHNUNGSMEDIUM UND  
PROGRAMM**

**DISPOSITIF ET PROCEDE DE TRAITEMENT DE DONNEES, SUPPORT D'ENREGISTREMENT ET  
PROGRAMME**

INVENTOR:

MIYAZAKI, Mitsuhiro, SONY CORPORATION, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo 141-0001, (JP)

YAMAMOTO, Noriyuki, SONY CORPORATION, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo 141-0001, (JP)

SAITO, Mari, SONY CORPORATION, 7-35, Kitashinagawa 6-chome, Shinagawa-ku,  
Tokyo 141-0001, (JP)

**KOIKE, Hiroyuki** , SONY CORPORATION, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo 141-0001, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200536	1125
SPEC A	(English)	200536	11456
Total word count - document A			12581
Total word count - document B			0
Total word count - documents A + B			12581

**14/TI,AU,IV,6/40 (Item 40 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01763084

**RENTAL ESTIMATION METHOD**

**VERLEIHSCHATZUNGSVERFAHREN**

**PROCEDE D'ESTIMATION DES PRIX DE LOCATION**

INVENTOR:

SHIBATA, Koichi, 12-103, Chiyodahouse, 1828-3, Niihari, Chiyoda-machi,  
Niihari-gun, Ibaraki 315-, (JP)

WATANABE, Hiroshi, 1082-66, Taguu-cyo, Ushiku-shi, Ibaraki 300-1236, (JP)  
 ADACHI, Hiroyuki, 848, Okijuku-machi, Tsuchiura-shi, Ibaraki 300-0023,  
 (JP)  
 SUGIYAMA, Genroku, 3-10-19, Matsuba, Ryugasaki-shi, Ibaraki 301-0043,  
 (JP)  
 MIURA, Shuichi, 3-1-1-206, Sengendainishi, Koshigaya-shi, Saitama  
 343-0041, (JP)  
 ONO, Kiyoshi, 4-8-3, Higashiikou, Adachi-ku, Tokyo 121-0801, (JP)  
 KONDOU, Itsuo, 2-5-6, Chuo, Ushiku-shi, Ibaraki 300-1234, (JP)  
**KIMURA, Toshinori**, 2635-128, Ishioka, Ishioka-shi, Ibaraki 315-0001,  
 (JP)

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200539	849
SPEC A	(English)	200539	4547
Total word count - document A			5396
Total word count - document B			0
Total word count - documents A + B			5396

**14/TI,AU,IV,6/41 (Item 41 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office.,All rts. reserv.

01593232

**A method for transforming data between business protocols**

**Verfahren zur Datenveränderung zwischen geschäftlichen Protokollen**

**Methode de transformation de donnees entre protocoles commerciaux**

INVENTOR:

Takahashi, Makoto, **Hitachi**, Ltd. Intel. Prop. Gr., New Marunouchi Bldg.  
 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)  
**Koike, Hiroshi**, **Hitachi**, Ltd. Intel. Prop. Gr., New Marunouchi  
 Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)  
 Takahashi, Norio, **Hitachi**, Ltd. Intel. Prop. Gr., New Marunouchi Bldg.  
 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)  
 Kawakita, Shuuichi, **Hitachi**, Ltd. Intel. Prop. Gr., New Marunouchi  
 Bldg. 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)  
 Moriya, Osamu, **Hitachi**, Ltd. Intel. Prop. Gr., New Marunouchi Bldg.  
 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200325	1461
SPEC A	(English)	200325	10850
Total word count - document A			12311
Total word count - document B			0
Total word count - documents A + B			12311

**14/TI,AU,IV,6/42 (Item 42 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01397633

**INFORMATION SUPPLY SYSTEM**

**SYSTEM ZUR BEREITSTELLUNG VON INFORMATIONEN**

**SYSTEME POUR FOURNIR DES INFORMATIONS**

INVENTOR:

YAMAGUCHI, Tetsuo,, Room 404, 20-12,Morishita 2-chome Koutou-ku, Tokyo  
 135-0004, (JP)  
**KIMURA, Takehiro**, Room 302,33-5,Nozawa 2-chome, Setagaya-ku Tokyo



154-0003, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200313	1586
SPEC A	(English)	200313	12250
Total word count - document A			13836
Total word count - document B			0
Total word count - documents A + B			13836

**14/TI,AU,IV,6/43 (Item 43 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01377999

**DISTRIBUTION AIDING METHOD, DISTRIBUTION AIDING SERVER, RECORDING MEDIUM,  
DISTRIBUTION AIDING PROGRAM, AND DEALER TERMINAL**  
**VERTEILUNGSUNTERST TZUNGSVERFAHREN, VERTEILUNGSUNTERST TZUNGSSERVER,  
AUFZEICHNUNGSMEDIUM, VERTEILUNGSUNTERST TZUNGSPROGRAMM UND  
DEALER-TERMINAL**  
**PROCEDE D'AIDE A LA DISTRIBUTION, SERVEUR D'AIDE A LA DISTRIBUTION, SUPPORT  
D'ENREGISTREMENT, PROGRAMME D'AIDE A LA DISTRIBUTION ET TERMINAL DU  
COURTIER**

INVENTOR:

TAKEDA, Seiji, WAKO PURE CHEMICAL INDUSTRIES, LTD, 1-2, Doshomachi  
3-chome, Chuo-ku, Osaka-shi, Osaka 541-0045, (JP)  
 UENO, Akira, WAKO PURE CHEMICAL INDUSTRIES, LTD, 1-2, Doshomachi 3-chome,  
Chuo-ku, Osaka-shi, Osaka 541-0045, (JP)  
 KAWAMURA, Hiroyuki, WAKO PURE CHEMICAL IND. LTD, 1-2, Doshomachi 3-chome,  
Chuo-ku, Osaka-shi, Osaka 541-0045, (JP)  
 NAKAJIMA, Tsuguo, FUJITSU FIP CORPORATION, Time 24 Bldg, 45, Aomi 2-chome  
Koto-ku, Tokyo 135-8686, (JP)  
**KIMURA, Tsuyoshi, FUJITSU FIP CORPORATION** , Time24 Bldg, 45, Aomi  
2-chome, Koto-ku, Tokyo 135-8686, (JP)  
 ITOH, Kouji, FUJITSU FIP CORPORATION, Time 24 Bldg , 45, Aomi 2-chome,  
Koto-ku, Tokyo 135-8686, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; Japanese  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200312	1306
SPEC A	(English)	200312	7734
Total word count - document A			9040
Total word count - document B			0
Total word count - documents A + B			9040

**14/TI,AU,IV,6/44 (Item 44 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01196772

**Information fetching control scheme using data type dependent strategy for  
reducing user response time**  
**Verfahren zum Steuern des Abrufs von Information mit einer vom Datentyp  
abhängigen Strategie um die Antwortzeit für die Verbraucher zu  
verringern**  
**Procede de controle de l'extraction d'informations utilisant une strategie  
dependante du type de donnees pour reduire le temps de reponse a  
l'utilisateur**

INVENTOR:

Muranaga, Tetsuro, c/o Intellectual Property Div., Toshiba Corporation,

1-1-1, Shibaura, Minato-ku, Tokyo, (JP)  
 Yoshida, Hideki, c/o Intellectual Property Div., Toshiba Corporation,  
 1-1-1, Shibaura, Minato-ku, Tokyo, (JP)  
 Ito, Kiyoshi, c/o Intellectual Property Div., Toshiba Corporation, 1-1-1,  
 Shibaura, Minato-ku, Tokyo, (JP)

**Kimura, Tetsuro, c/o Intellectual Property Div. , Toshiba Corporation,**  
 1-1-1, Shibaura, Minato-ku, Tokyo, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200040	952
CLAIMS B	(English)	200503	1178
CLAIMS B	(German)	200503	1075
CLAIMS B	(French)	200503	1331
SPEC A	(English)	200040	9167
SPEC B	(English)	200503	8824
Total word count - document A			10121
Total word count - document B			12408
Total word count - documents A + B			22529

**14/TI,AU,IV,6/45 (Item 45 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01080830

**Computer system for electronic shopping mall, electronic shopping mall  
 control method, control program and medium**

**Computer System fur ein elektronisches Einkaufszentrum, Methode zur  
 Kontrolle eines elektronischen Einkaufszentrums, Kontrollprogramm und  
 Medium**

**Systeme informatique pour centres commerciaux electroniques, methode de  
 controle d'un centre commercial electronique, logiciel de controle et  
 support**

INVENTOR:

Honda, Yoshinori, 40-1-S325, Utsukushigaokanishi-2-chome, Aoba-ku,  
 Yokohama-shi, (JP)

**Koike , Hiroshi ,** 268-3, Ryuzojimachi, Maebashi-shi, (JP)

Matoike, Akira, 4-1-202, Gontazaka-1-chome, Hodogaya-ku, Yokohama-shi,  
 (JP)

Takeuchi, Satoshi, 4499-16, Totsukacho, Totsuka-ku, Yokohama-shi, (JP)

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
SPEC A	(English)	9942	19958
Total word count - document A			19958
Total word count - document B			0
Total word count - documents A + B			19958

**14/TI,AU,IV,6/46 (Item 46 from file: 348)**

DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

01018113

**Recording and/or reproduction apparatus, file management and providing  
 medium**

**Aufzeichnungs- und/oder Wiedergabegerat, Dateiverwaltung und  
 Versorgungsmedium**

**Appareil d'enregistrement et de reproduction, gestion de fichiers et  
 support d'alimentation**

INVENTOR:

**Kimura, Tetsu, I.P.Dpt., Sony Corporation** , 6-7-35 Kitashinagawa,  
Shinagawa-ku, Tokyo 141, (JP)  
Ishikawa, Akio, c/o I.P.D., Sony Corporation, 6-7-35 Kitashinagawa,  
Shinagawa-ku, Tokyo 141, (JP)  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:  
Available Text Language Update Word Count  
CLAIMS A (English) 9917 651  
SPEC A (English) 9917 16817  
Total word count - document A 17468  
Total word count - document B 0  
Total word count - documents A + B 17468

**14/TI,AU,IV,6/47 (Item 47 from file: 348)**  
DIALOG(R)File 348:(c) 2007 European Patent Office. All rts. reserv.

00995528

**Electronic mail system****System zur Realisierung eines elektronischen Einkaufszentrums****Systeme pour realiser un centre commercial electronique****INVENTOR:**

Mizote, Yuuji, 40-1-W235, Utsukushigaokinashi 2-chome, Aiba-ku,  
Yokohama-shi, (JP)  
Masuishi, Tetsuya, 3094-5, Nozutamachi, Machida-shi, (JP)  
**Koike, Hiroshi**, 17-12-A104, Yutakacho, Sagamihra-shi, (JP)  
Sudo, Mitsuo, 4-2-404, Komatsugawa 2-chome, Edogawa-ku, Tokyo, (JP)  
LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:  
Available Text Language Update Word Count  
CLAIMS A (English) 9909 1163  
SPEC A (English) 9909 5516  
Total word count - document A 6679  
Total word count - document B 0  
Total word count - documents A + B 6679

**14/TI,AU,IV,6/48 (Item 48 from file: 349)**  
DIALOG(R)File 349:(c) 2007 WIPO/Thomson. All rts. reserv.

01121921

**RENTAL ESTIMATION METHOD****PROCEDE D'ESTIMATION DES PRIX DE LOCATION****Patent Applicant/Inventor:**

SHIBATA Koichi, 12-103, Chiyodahouse, 1828-3, Niihari, Chiyoda-machi,  
Niihari-gun, Ibaraki 315-0051, JP, JP (Residence), JP (Nationality),  
(Designated only for: US)  
WATANABE Hiroshi, 1082-66, Taguu-cyo, Ushiku-shi, Ibaraki 300-1236, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)  
ADACHI Hiroyuki, 848, Okijuku-machi, Tsuchiura-shi, Ibaraki 300-0023, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)  
SUGIYAMA Genroku, 3-10-19, Matsuba, Ryugasaki-shi, Ibaraki 301-0043, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)  
MIURA Shuichi, 3-1-1-206, Sengendainishi, Koshigaya-shi, Saitama 343-0041  
, JP, JP (Residence), JP (Nationality), (Designated only for: US)  
ONO Kiyoshi, 4-8-3, Higashiikou, Adachi-ku, Tokyo 121-0801, JP, JP  
(Residence), JP (Nationality), (Designated only for: US)  
KONDOU Itsuo, 2-5-6, Chuo, Ushiku-shi, Ibaraki 300-1234, JP, JP  
(Residence), JP (Nationality), (Designated only for: US)  
**KIMURA Toshinori**, 2635-128; Ishioka, Ishioka-shi, Ibaraki 315-0001, JP,

JP (Residence), JP (Nationality), (Designated only for: US)  
Publication Language: Japanese  
Filing Language: Japanese  
Publication Year: 2004

**14/TI,AU,IV,6/49 (Item 49 from file: 347)**  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

08434200  
INFORMATION PROCESSOR, ANNOTATION PROCESSING METHOD, INFORMATION PROCESSING  
PROGRAM, AND RECORDING MEDIUM HAVING INFORMATION PROCESSING PROGRAM STORED  
THEREIN

INVENTOR(s): SATO KISHO  
KIMURA TADASHI  
IIJIMA TADAHICO

**14/TI,AU,IV,6/50 (Item 50 from file: 347)**  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

08291488  
INFORMATION PROCESSING APPARATUS AND METHOD, RECORDING MEDIUM, AND PROGRAM

INVENTOR(s): KOIKE HIROYUKI  
YAMAMOTO NORIYUKI  
SAITO MARI  
MIYAZAKI MITSUHIRO  
NARAHARA TATSUYA  
FUJIWARA NOBUYUKI

**14/TI,AU,IV,6/51 (Item 51 from file: 347)**  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

08152447  
ILLUMINATING FACILITY PLAN PROPOSAL SYSTEM AND PROGRAM FOR PRESENTING  
ILLUMINATING FACILITY PLAN

INVENTOR(s): IKEDA TAKASHI  
KIMURA TETSUYA  
SHINADA NAOTERU

**14/TI,AU,IV,6/52 (Item 52 from file: 347)**  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

07347572  
ELECTRONIC LEDGER SYSTEM AND METHOD FOR CONTROLLING THE SAME

INVENTOR(s): SHIGA YOSHIYUKI  
KONO MASANORI  
ASHIGAYA YOSHIKI  
KIMURA TORU

**14/TI,AU,IV,6/53 (Item 53 from file: 347)**  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

07281192

INFORMATION PROCESSOR AND ITS PROCESSING METHOD

INVENTOR(s): FURUYAMA MASAKAZU  
                  **KOIKE HIROYUKI**  
                  HIRONO AKIRA

**14/TI,AU,IV,6/54** (Item 54 from file: 347)  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

06673813

METHOD FOR PREPARING CONTENTS

INVENTOR(s): HARAOKA KAZUO  
                  TAKABAYASHI KAZUHIKO  
                  **KIMURA TAKESHI**  
                  YAMAGISHI YASUAKI  
                  GONNO YOSHIHISA  
                  NISHIO IKUHIKO

**14/TI,AU,IV,6/55** (Item 55 from file: 347)  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

06435033

METHOD FOR PROVIDING **DIGITAL** **CONTENTS** , METHOD FOR MONITORING ITS  
ILLEGAL USAGE, ITS PROVIDING DEVICE AND DEVICE FOR MONITORING ITS ILLEGAL  
USAGE

INVENTOR(s): **NAMIOKA MIYOKO**  
                  OKAYAMA MASAYA  
                  **KOIKE HIROSHI**  
                  KONDO KO  
                  **KIMURA TOMOKO**

**14/TI,AU,IV,6/56** (Item 56 from file: 347)  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

06282699

USE CONDITION SALE TYPE **DIGITAL** **CONTENTS** SALE ELECTRONIC MALL SYSTEM

INVENTOR(s): **KIMURA TOMOKO**  
                  OKAYAMA MASAYA  
                  **KOIKE HIROSHI**  
                  **NAMIOKA MIYOKO**

**14/TI,AU,IV,6/57** (Item 57 from file: 347)  
DIALOG(R)File 347:(c) 2007 JPO & JAPIO. All rts. reserv.

05159826

INQUIRY DEFINING METHOD FOR DATA BASE

INVENTOR(s): OOMAE HIDEHIRO  
                  KUREYAMA NOBUO  
                  HARUNA TAKAAKI  
                  **KOIKE HIROSHI**  
                  KOIZUMI SHINOBU

Set	Items	Description
S1	4562	AU=(KIMURA, T? OR KIMURA T? OR TOMOKO(2N)KIMURA)
S2	17	AU=(OKAYAMA, N? OR OKAYAMA N? OR NOBUYA(2N)OKAYAMA)
S3	522	AU=(KOIKE, H? OR KOIKE H? OR HIROSHI(2N)KOIKE)
S4	1	AU=(NAMIOKA, M? OR NAMIOKA M? OR MIYOKO(2N)NAMIOKA)
S5	0	S1 AND S2 AND S3 AND S4
S6	0	S1 AND S2 AND S3
S7	5096	S1 OR S2 OR S3 OR S4
S8	126	S7 AND ((DIGITAL OR ELECTRONIC OR VIRTUAL OR CYBER OR ONLI- NE OR ON()LINE) (1W) (CONTENT? ? OR MATERIAL? ? OR DATA OR FILE OR FILES) OR NEWS OR NEWS() (ARTICLE? ? OR STOR???) OR MUSIC OR MP3 OR MP3S OR SONG? ? OR GAME? ? OR MOVIE? ? OR VIDEO? ? OR SOFTWARE OR
S9	25	S8 AND (CONDITION? ? OR PRIVILEGE? ? OR RESTRICTION? ? OR - RESTRICTED OR LIMITED OR LIMIT? ? OR LIMITATION? ? OR PROHIBI- T? OR PERMIT OR PERMITT? OR PERMISSION OR ALLOW?? OR ALLOWABLE OR APPROVED OR AUTHORIZE)
S10	24	RD (unique items)
File	2:INSPEC 1898-2007/Feb W3	(c) 2007 Institution of Electrical Engineers
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File	99:Wilson Appl. Sci & Tech Abs 1983-2007/Jan	(c) 2007 The HW Wilson Co.
File	474:New York Times Abs 1969-2007/Feb 27	(c) 2007 The New York Times
File	475:Wall Street Journal Abs 1973-2007/Feb 27	(c) 2007 The New York Times
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group
File	15:ABI/Inform(R) 1971-2007/Feb 27	(c) 2007 ProQuest Info&Learning
File	20:Dialog Global Reporter 1997-2007/Feb 27	(c) 2007 Dialog
File	610:Business Wire 1999-2007/Feb 27	(c) 2007 Business Wire.
File	810:Business Wire 1986-1999/Feb 28	(c) 1999 Business Wire
File	476:Financial Times Fulltext 1982-2007/Feb 27	(c) 2007 Financial Times Ltd
File	613:PR Newswire 1999-2007/Feb 27	(c) 2007 PR Newswire Association Inc
File	813:PR Newswire 1987-1999/Apr 30	(c) 1999 PR Newswire Association Inc
File	634:San Jose Mercury Jun 1985-2007/Feb 25	(c) 2007 San Jose Mercury News
File	624:McGraw-Hill Publications 1985-2007/Feb 27	(c) 2007 McGraw-Hill Co. Inc
File	9:Business & Industry(R) Jul/1994-2007/Feb 26	(c) 2007 The Gale Group
File	275:Gale Group Computer DB(TM) 1983-2007/Feb 23	(c) 2007 The Gale Group
File	621:Gale Group New Prod. Annou. (R) 1985-2007/Feb 16	(c) 2007 The Gale Group
File	636:Gale Group Newsletter DB(TM) 1987-2007/Feb 26	(c) 2007 The Gale Group
File	16:Gale Group PROMT(R) 1990-2007/Feb 26	(c) 2007 The Gale Group
File	160:Gale Group PROMT(R) 1972-1989	

(c) 1999 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2007/Feb 16  
(c) 2007 The Gale Group  
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(c) 2007 Irish Times  
File 710:Times/Sun.Times(London) Jun 1988-2007/Feb 27  
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File 711:Independent(London) Sep 1988-2006/Dec 12  
(c) 2006 Newspaper Publ. PLC  
File 756:Daily/Sunday Telegraph 2000-2007/Feb 27  
(c) 2007 Telegraph Group  
File 757:Mirror Publications/Independent Newspapers 2000-2007/Feb 27  
(c) 2007  
File 387:The Denver Post 1994-2007/Feb 26  
(c) 2007 Denver Post  
File 471:New York Times Fulltext 1980-2007/Feb 27  
(c) 2007 The New York Times  
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
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File 494:St LouisPost-Dispatch 1988-2007/Feb 25  
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File 631:Boston Globe 1980-2007/Feb 23  
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File 702:Miami Herald 1983-2007/Feb 22  
(c) 2007 The Miami Herald Publishing Co.  
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(c) 2007 USA Today  
File 704:(Portland)The Oregonian 1989-2007/Feb 25  
(c) 2007 The Oregonian  
File 713:Atlanta J/Const. 1989-2007/Feb 23  
(c) 2007 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2007/Feb 25  
(c) 2007 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2007/Feb 27  
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File 725:(Cleveland)Plain Dealer Aug 1991-2007/Feb 26  
(c) 2007 The Plain Dealer  
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File 256:TecInfoSource 82-2007/Oct  
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10/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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09817722

**Title: Non-rigid motion correction with combination of different levels of linear correction in spin warp imaging**

Author(s): Kimura, T. ; Ikedo, M.; Yui, M.

Author Affiliation: MRI Syst. Dev. Dept., Toshiba Med. Syst. Corp., Kawasaki, Japan

Journal: Medical Imaging Technology vol.24, no.1 p.48-55

Publisher: Japanese Soc. Med. Imaging Technol,

Publication Date: Jan. 2006 Country of Publication: Japan

CODEN: MITEET ISSN: 0288-450X

SICI: 0288-450X(200601)24:1L:48:RCW;1-M

Material Identity Number: D102-2006-001

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Experimental (X); Theoretical (T)

Abstract: We propose a novel simplified method for correcting non-rigid motion associated with pixel shift along the phase encode as well as readout directions in body spin warp MR imaging. By using information on the spatial motion distribution obtained by certain means and a motion model, image data is divided into several components of motion level by **software** windowing (SW) in the image domain or hardware windowing (HW) with the multi-coil sensitivity distribution. After each divided data, which is regarded as linear motion of the corresponding level, is corrected, the final image is obtained by combining these corrected data. We describe a simulation study assuming MR body imaging during respiratory motion for single-coil and two element multi-coil imaging. Two-segment HW correction provided better results than two-segment SW correction. Ghost artifacts and the associated problem of SNR inhomogeneity with only SW correction were further reduced by the combination of HW and SW correction. In conclusion, the proposed method is simple but effective when applied within **limited** motion **conditions** despite the abbreviation of theoretically perfect correction, and multi-coil imaging is more suitable for this method than single-coil imaging under appropriate **conditions** of location and spatial distribution of body motion. (9 Refs)

Subfile: A B C

Descriptors: biomedical MRI; image motion analysis; medical image processing; pneumodynamics

Identifiers: non-rigid motion correction; linear correction; spin warp imaging; phase encoding; spatial motion distribution; **software** windowing; hardware windowing; multi-coil sensitivity distribution; MR body imaging; respiratory motion; ghost artifacts

Class Codes: A8740 (Biomagnetism); A8760I (Medical magnetic resonance imaging and spectroscopy); A8770E (Patient diagnostic methods and instrumentation); A8745H (Haemodynamics, pneumodynamics); B7510N (Biomedical magnetic resonance imaging and spectroscopy); B6135 (Optical, image and video signal processing); C7330 (Biology and medical computing); C5260B (Computer vision and image processing techniques)

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10/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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08961213 INSPEC Abstract Number: C2004-06-6180-013

**Title: A proposal on an evaluation method towards the development of a human interface with less visual fatigue**



Author(s): **Kimura, T.** ; Hayasaka, Y.; Segawa, N.; Yamazaki, K.; Murayama, Y.; Miyazaki, M.

Author Affiliation: Graduate Sch. of Software & Inf. Sci., Iwate Prefectural Univ., Japan

Journal: Transactions of the Information Processing Society of Japan  
vol.44, no.11 p.2587-97

Publisher: Inf. Process. Soc. Japan,

Publication Date: Nov. 2003 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

SICI: 0387-5806(200311)44:11L;2587:PEMT;1-Y

Material Identity Number: T205-2004-002

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** In order to obtain a guideline for designing low-working human interface (HI) we investigated the assessment of visual fatigue induced by performing an interactive task as a model of HI **software** on personal computers utilizing measurement of event related potentials (ERP) and accommodation. The ERP were measured in this study before and after a visual target detection task in healthy adult participants to assess visual fatigue of the central nervous system. As an index of accommodation, the ophthalmic near point was also measured using an accommodation meter. As the experimental task, participants were instructed to click designated targets from a randomly arranged matrix of characters for one hour. All participants reported symptoms of visual fatigue after the task. From the averaged ERP waveform, P100 and P300 components were detected and their amplitudes and peak latencies were analyzed. Amplitude of the P100 component measured after performing the task was larger than that in the control **condition**. Near points after the task increased in comparison with those before the task. Results indicated that visual fatigue by the experimental task evoked both eye-strain and altered function of the primary visual cortex. Feasibility of applying the present method to a low-workload **software** development is discussed. (25 Refs)

Subfile: C

Descriptors: eye; human factors; **software** engineering; target tracking; user interfaces; visual evoked potentials

Identifiers: evaluation method; human interface; visual fatigue; low-workload human interface; event related potentials; accommodation; visual target detection task; central nervous system; accommodation meter; ERP waveform; eye-strain; primary visual cortex; **software** development

Class Codes: C6180 (User interfaces); C6110B (Software engineering techniques); C0240 (Ergonomic aspects of computing)

Copyright 2004, IEE

10/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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08178608 INSPEC Abstract Number: C2002-03-6150G-068

**Title:** Efficient microcomputer software evaluation method using orthogonal tables

Author(s): Iijima, T.; Ise, Y.; **Kimura, T.**

Journal: MEW Technical Report no.76 p.46-51

Publisher: Matsushita Electric Works,

Publication Date: Dec. 2001 Country of Publication: Japan

CODEN: MTREFT ISSN: 0285-5054

SICI: 0285-5054(200112)76L;46:EMSE;1-H

Material Identity Number: D324-2001-004

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** In order to prevent user complaints deriving from **software** bugs in microcomputer-based products, a high-speed and high-efficiency evaluation test method using orthogonal tables has been developed. Because **software** bugs in an installed product require on-site corrective measures and cause significant damage to both the user and supplier, an evaluation means that effectively prevents such troubles has long been demanded. However, with the increased functionality of home appliances, testing several million combinations of **software** in a **limited** time was virtually impossible. This report describes an efficient method of finding **software** bugs by improving the technique of "evaluating the objective functionality for each signal cause". The developed method has been confirmed to be an efficient **software** evaluation method particularly suited for a testing area where evaluation under constraints is unavoidable. (7 Refs)

Subfile: C

Descriptors: program debugging; program testing

Identifiers: microcomputer **software** evaluation method; orthogonal tables; user complaints; **software** bugs; home appliances; **software** evaluation method

Class Codes: C6150G (Diagnostic, testing, debugging and evaluating systems)

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10/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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08098151 INSPEC Abstract Number: C2002-01-6160S-005

**Title:** ZASH: a visual information retrieval system for movie database with browsing and searching capabilities

Author(s): Koike, H. ; Orimo, E.

Author Affiliation: Graduate Sch. of Inf. Syst., Univ. of Electro-Commun., Tokyo, Japan

Journal: Transactions of the Information Processing Society of Japan  
vol.42, no.8 p.2189-97

Publisher: Inf. Process. Soc. Japan,

Publication Date: Aug. 2001 Country of Publication: Japan

CODEN: JSGRD5 ISSN: 0387-5806

SICI: 0387-5806(200108)42:8L:2189:ZVIR;1-G

Material Identity Number: T205-2001-011

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** This paper describes a visual information retrieval system for **movie** databases, named ZASH. ZASH introduced some concepts of information retrieval techniques which people often use in the real world, particularly when they are not sure what they want. For example, ZASH used multi-dimensional scaling (MDS) to lay out **movies** so that similar **movies** are displayed physically near each other. Commentators are also laid out by using MDS so that users can easily find reliable commentators. Moreover, by calculating the degree of importance of each data, ZASH **allows** users to recognize the indirect relations of data. Most importantly, searching capabilities using keywords, directors' names, or actors' names, are integrated into the system in order to provide flexible retrieval. (10 Refs)

Subfile: C

Descriptors: image retrieval; visual databases

Identifiers: ZASH; **movie** database; visual information retrieval system; information retrieval; multidimensional scaling; keywords; browsing; visual database; searching

Class Codes: C6160S (Spatial and pictorial databases); C5260B (Computer vision and image processing techniques); C7250R (Information retrieval techniques)

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10/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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07865784 INSPEC Abstract Number: C2001-04-6180G-005

**Title: Interactive Textbook and Interactive Venn Diagram: natural and intuitive interfaces on augmented desk system**

Author(s): Koike, H. ; Sato, Y.; Kobayashi, Y.; Tobita, H.; Kobayashi, M.

Author Affiliation: Graduate Sch. of Inf. Syst., Univ. of Electro-Commun., Chofu, Japan

Conference Title: CHI 2000 Conference Proceedings. Conference on Human Factors in Computing Systems. CHI 2000. The Future is Here p.121-8

Editor(s): Turner, T.; Szwillus, G.; Czerwinski, M.; Paterno, F.

Publisher: ACM, New York, NY, USA

Publication Date: 2000 Country of Publication: USA xvii+588 pp.

ISBN: 1 58113 216 6 Material Identity Number: XX-2000-00744

U.S. Copyright Clearance Center Code: 1 58113 216 6/2000/04...\$5.00

Conference Title: Proceedings of CHI 2000

Conference Sponsor: ACM

Conference Date: 1-6 April 2000 Conference Location: The Hague, Netherlands

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The paper describes two interface prototypes which we have developed on our augmented desk interface system, EnhancedDesk. The first application is Interactive Textbook, which is aimed at providing an effective learning environment. When a student opens a page which describes experiments or simulations, Interactive Textbook automatically retrieves **digital contents** from its database and projects them onto the desk. Interactive Textbook also **allows** the student hands-on ability to interact with the **digital contents**. The second application is the Interactive Venn Diagram, which is aimed at supporting effective information retrieval. Instead of keywords, the system uses real objects such as books or CDs as keys for retrieval. The system projects a circle around each book; data corresponding to the book are then retrieved and projected inside the circle. By moving two or more circles so that the circles intersect each other, the user can compose a Venn diagram interactively on the desk. We also describe the new technologies introduced in EnhancedDesk which enable us to implement these applications. (21 Refs)

Subfile: C

Descriptors: augmented reality; computer aided instruction; graphical user interfaces; human factors; information retrieval; interactive systems; teaching

Identifiers: Interactive Textbook; Interactive Venn Diagram; intuitive interfaces; augmented desk system; natural interfaces; interface prototypes; augmented desk interface system; EnhancedDesk; learning environment; **digital content** retrieval; hands-on ability; **digital contents**; information retrieval; real objects

Class Codes: C6180G (Graphical user interfaces); C7810C (Computer-aided instruction); C0240 (Ergonomic aspects of computing); C7250R (Information retrieval techniques); C6130V (Virtual reality); C6130B (Graphics techniques)

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10/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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07852525 INSPEC Abstract Number: B2001-04-8370-037

**Title: Influence of vacuum arc behavior on current interrupting limit of spiral contact**

Author(s): **Kimura, T.** ; Sawada, A.; Koyama, K.; Koga, H.; Yano, T.

Author Affiliation: Adv. Technol. R&D Center, Mitsubishi Electr. Corp., Hyogo, Japan

Conference Title: Proceedings ISDEIV. 19th International Symposium on Discharges and Electrical Insulation in Vacuum (Cat. No.00CH37041) Part vol.2 p.443-6 vol.2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 Country of Publication: USA 2 vol. (xxii+xvi+783) pp.

ISBN: 0 7803 5791 4 Material Identity Number: XX-2000-02291

U.S. Copyright Clearance Center Code: 0 7803 5791 4/2000/\$10.00

Conference Title: Proceedings of 19th International Symposium on Discharge and Electrical Insulation in Vacuum

Conference Sponsor: Nat. Natural Sci. Found. China; IEEE Dielectr. & Electr. Insulation Soc.; ABB; BAOGUANG (Shaanxi Baoguang Electron. Corp.); Beijing Switchgear Factory; Chengdu Xuguang Electron. Co.; Cutler-Hammer; EPRI (Electric Power Res. Inst., High Voltage Switchgear Dept.); Guiyang Zhenhua Corp. Yuguang Branch; HUAGUANG (Jinzhou Huaguang Electr. Manufactory); NATURE (Ningbo Nature Co.); SIEMENS; Tianshui Changcheng Electr. Co.; Tianshui Changcheng Switchgear Factory; TOSHIBA; Xi'an High Voltage Apparatus Res. Inst.; Xi'an Jietian Electr. Manuf. Co.; XJTU (Xi'an Jiatong Univ.)

Conference Date: 18-22 Sept. 2000 Conference Location: Xi'an, China

Language: English Document Type: Conference Paper (PA)

Treatment: Experimental (X)

Abstract: The authors observed the behavior of an arc on spiral contacts using a high-speed **video** camera, and found three periods of arc motion. These periods consist of a slow arc period immediately after the arc ignition where the arc begins to move gradually at less than 10 m/s, an acceleration period, and a high speed period where the arc rotates faster than 50 m/s. The duration of the slow arc period and the speed during the high speed period showed a dependence on the shape of the contact. Their results were as follows: (1) the spiral contact with a short slow arc period has high interrupting capability; (2) there is a borderline between successful and failed interruption in the electric charge transferred into the contact during the slow arc period; and (3) the borderline depends on the contact material. From these results, they conclude that the transferred electric charge during the slow arc period influences the state of the gap at the current zero. (3 Refs)

Subfile: B

Descriptors: circuit-breaking arcs; electrical contacts; switchgear testing; vacuum arcs; vacuum interrupters

Identifiers: vacuum arc behavior; current interrupting **limit** ; spiral contact; high-speed **video** camera; arc motion periods; arc ignition; acceleration period; slow arc period; high speed period; interrupting capability; electric charge transfer; current zero; gap state

Class Codes: B8370 (Switchgear); B2830 (Insulation and insulating coatings); B2180 (Electrical contacts)

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10/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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07592052 INSPEC Abstract Number: C2000-06-7400-012

**Title: Construction of virtual laboratory under network environment**

Author(s): Nishikawa, N.; **Koike, H.** ; Ashino, T.

Author Affiliation: Center for Comput. Sci. & Eng., Fuji Res. Inst. Corp., Japan

Journal: Journal of the Japan Society for Simulation Technology  
vol.19, no.1 p.9-16

Publisher: Japan Tech. Inf. Service,

Publication Date: March 2000 Country of Publication: Japan

CODEN: SHIMDM ISSN: 0285-9947

SICI: 0285-9947(200003)19:1L.9:CVLU;1-R

Material Identity Number: D946-2000-002

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Numerical simulation technology faces technical innovation. The conventional numerical simulation has merely been analyzing a part of complex natural phenomena such as structure and flow by modeling. Recently, following the drastically strides of informational technology, it is in the process to simulate natural phenomena totally. This simulation technology for total natural phenomena (called virtual laboratory technology) is significant in practical use and is the main theme for a coming simulation study. On the other hand, a study that works out for a development of new materials by means of computer has lately attracted considerable attention. In order to materialize computational materials design, study and development of virtual laboratory technology are essential. For materialization of virtual laboratory, we have developed a technology to integrate those resources ( **software** , data, researchers, etc.) dispersed in network. Putting it concretely, we have developed a technology (called task flow) to control complex simulation process under network and a technology to materialize information interchange-with dynamic selection of informational resource/tool under a **condition** of dispersion. Utilizing those technologies, we have formed a virtual experiment system subjected to high-temperature superalloy and exercised the series of simulations. Consequently, the validity of virtual laboratory was observed. (6 Refs)

Subfile: C

Descriptors: engineering computing; materials science

Identifiers: simulation technology; virtual laboratory; computational materials design; virtual laboratory was observed; high-temperature superalloy

Class Codes: C7400 (Engineering computing)

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10/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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07473099 INSPEC Abstract Number: B2000-02-6210R-059

**Title: A study on reduction of reference frame memory for the "NEWPRED" error-resilient video communication system**

Author(s): Tomita, Y.; **Kimura, T.** ; Kimata, H.; Ichikawa, T.; Ichinose, S.

Author Affiliation: NTT Commun., Tokyo, Japan

Journal: Electronics and Communications in Japan, Part 1 (Communications)  
vol.83, no.3 p.105-15

Publisher: Scripta Technica,

Publication Date: 2000 Country of Publication: USA

CODEN: ECJCED ISSN: 8756-6621

SICI: 8756-6621(2000)83:3L.105:SRRF;1-J

Material Identity Number: J974-1999-012

U.S. Copyright Clearance Center Code: 8756-6621/2000/030105-11

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** NEWPRED is an interframe coding system that prevents error propagation and has been proposed as a means of **video** communication that can operate effectively in environments prone to transmission errors, such as mobile communication networks. This article proposes and evaluates the efficacy of a memory control method that causes little performance degradation even when the reference frame memory is **limited**, such as in mobile terminal equipment, and a new variation of NEWPRED that is ideally suited to this memory control method. We first demonstrate that interframe coding cannot be sustained when the amount of reference frame memory is **limited**, which impairs the performance of NEWPRED. We then propose a memory control method that makes effective use of reference frame memory and is also applicable to existing systems, and a revised version of NEWPRED in which this memory control method works most effectively. Using a computer simulation, we clarify the relationship between the error rate of the transmission path, the response delay time, and the amount of memory required by each method. By making a comparative evaluation of signal-to-noise ratios (SNR) in the proposed system and existing systems to which the proposed memory control method has been applied, we demonstrate that the proposed system achieves the highest SNR with a **limited** amount of reference frame memory. (16 Refs)

Subfile: B

Descriptors: error correction codes; error statistics; mobile radio; multimedia communication; **video** coding; visual communication

Identifiers: reference frame memory; NEWPRED; error-resilient **video** communication system; interframe coding system; mobile communication networks; memory control method; performance; computer simulation; error rate; response delay time; signal-to-noise ratio; SNR; multimedia

Class Codes: B6210R (Multimedia communications); B6135C (Image and video coding); B6250F (Mobile radio systems)

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10/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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07254170 INSPEC Abstract Number: C1999-07-7104-002

**Title:** A company-office system "Valentine" providing informal communication and personal space based on 3D virtual space and avatars

**Author(s):** Honda, S.; Tomioka, H.; Kimura, T.; Oosawa, T.; Ken-Ichi Okada; Matsushita, Y.

**Author Affiliation:** Dept. of Instrum. Eng., Keio Univ., Yokohama, Japan

**Journal:** Information and Software Technology vol.41, no.6 p.383-97

**Publisher:** Elsevier,

**Publication Date:** 25 April 1999 **Country of Publication:** Netherlands

**CODEN:** ISOTE7 **ISSN:** 0950-5849

**SICI:** 0950-5849(19990425)41:6L:383:COST;1-9

**Material Identity Number:** F335-1999-009

**U.S. Copyright Clearance Center Code:** 0950-5849/99/\$20.00

**Document Number:** S0950-5849(98)00070-6

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Practical (P)

**Abstract:** We propose a virtual office environment that integrates natural communication and secure private space. The features of this system are presented. (1) The system has a virtual shared room based on the idea of "shared room metaphor" and 3D graphics on an SGI workstation is used for

this system. It uses Ethernet media (i.e. real time audio/ **video** streams). (2) The system implements the field of view of a human by using our "around view" technique. (3) "Sound effects" are used to help users feel the presence of other members. For instance, members hear the sound of a door opening when someone logs into our system and the sound of footsteps when someone is walking around our virtual room. (4) At times our system **limits** the flow of awareness information. A person concentrating on his/her work may not want to perceive excessive awareness of others. To support such situation, we define "awareness space" which restricts the field where other members' awareness is transmitted. Awareness space changes in size with the degree of concentration which is measured through two factors: the movement of a chair and the frequency of keyboard typing. (5) "Headphone metaphor": a picture of a headphone is attached above a person's image and changes color depending on the degree of concentration. This enables other members to recognize his/her state and can be a criterion as to whether he/she is available to communicate or not. (6) In the virtual space, users are represented as avatars built of 3D polygons and still pictures. The avatars change shape automatically according to the users' action. (15 Refs)

Subfile: C

Descriptors: computer graphics; local area networks; office automation; office environment; teleworking; user interfaces; virtual reality

Identifiers: company office system Valentine; informal communication; personal space; 3D virtual space; avatars; virtual office environment; natural communication; secure private space; virtual shared room; 3D graphics; SGI workstation; Ethernet media; real time audio/ **video** streams; field of view; around view technique; sound effects; flow of awareness information; awareness space; headphone metaphor; virtual space; 3D polygons; user actions

Class Codes: C7104 (Office automation); C5620L (Local area networks); C6130V (Virtual reality); C6180 (User interfaces); C6130B (Graphics techniques)

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10/5/10 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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07133043 INSPEC Abstract Number: B1999-02-6135C-058, C1999-02-5260D-032

**Title: A study on reduction of reference frame memory for error-resilient video communication system "NEWPRED"**

Author(s): Tomita, Y.; **Kimura, T.** ; Kimata, H.; Ichikawa, T.; Ichinose, S.

Author Affiliation: NTT Multimedia Network Service Sector, Tokyo, Japan

Journal: Transactions of the Institute of Electronics, Information and Communication Engineers B-I vol.J81B-I, no.11 p.642-51

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: Nov. 1998 Country of Publication: Japan

CODEN: DJBTES ISSN: 0915-1877

SICI: 0915-1877(199811)J81BI:11L:642:SRRF;1-N

Material Identity Number: M968-1998-012

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: For errors in communication such as in mobile networks, "NEWPRED" which enables us to prevent the temporal error propagation, maintaining the inter-frame coding is known as an effective error-resilient **video** coding technique. The NEWPRED system needs additional reference picture memories for inter-frame coding and the requirement **limits** the applicability of the technique to terminals such as mobile multimedia

terminals. We propose a reference memory management algorithm which enables efficient use of reference picture memories and a novel variation of the NEWPRED system utilized to the algorithm. Simulations evaluate its effectiveness and the reference picture memory requirements are analyzed.  
(16 Refs)

Subfile: B C

Descriptors: mobile radio; storage management; **video** coding; visual communication

Identifiers: error-resilient **video** communication; NEWPRED; mobile networks; temporal error propagation; inter-frame coding; **video** coding; mobile multimedia terminals; reference memory management algorithm; reference picture memories; simulations

Class Codes: B6135C (Image and video coding); B6210 (Telecommunication applications); C5260D (Video signal processing)

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10/5/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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06764304 INSPEC Abstract Number: B9801-6210R-016

**Title: Error resilient modified inter-frame coding system for limited reference picture memories**

Author(s): Tomita, Y.; **Kimura, T.** ; Ichikawa, T.

Author Affiliation: Visual Commun. Lab., NTT Human Interface Labs., Kanagawa, Japan

Journal: ITG-Fachberichte Conference Title: ITG-Fachber. (Germany)  
no.143 p.743-8

Publisher: VDE-Verlag,

Publication Date: 1997 Country of Publication: Germany

CODEN: ITGFEY ISSN: 0341-0196

SICI: 0341-0196(1997)143L:743:ERMI;1-Q

Material Identity Number: M523-97003

Conference Title: Picture Coding Symposium. PCS 97

Conference Sponsor: Deutsche Telekom Bergkom; Heinrich-Hertz-Inst

Conference Date: 10-12 Sept. 1997 Conference Location: Berlin, Germany

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: This paper enhances the error resilient modified inter-frame coding system "NEWPRED". The extended version, the NEWPRED-AN system, prevents temporal and spatial error propagation from interfering with the inter-frame coding. NEWPREDAN works effectively even when the amount of reference picture memory in the encoder is **limited**, and so is suitable for mobile multimedia terminals. Simulations evaluate its performance and the reference picture memory requirements of both encoder and decoder are analyzed. (7 Refs)

Subfile: B

Descriptors: data compression; mobile radio; multimedia communication; telecommunication terminals; **video** coding

Identifiers: error resilient modified inter-frame coding; **limited** reference picture memories; NEWPRED; NEWPRED-AN; temporal error propagation; spatial error propagation; reference picture memory; mobile multimedia terminals; **video** compression

Class Codes: B6210R (Multimedia communications); B6250F (Mobile radio systems); B6120B (Codes); B6140C (Optical information, image and video signal processing)

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10/5/12 (Item 12 from file: 2)

DIALOG(R)File 2:INSPEC

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06606192 INSPEC Abstract Number: A9714-7755-011, B9707-1265D-027

**Title: Application of the ferroelectric materials to ULSI memories**

Author(s): Tarui, Y.; Hirai, T.; Teramoto, K.; **Koike, H.** ; Nagashima, K.

Author Affiliation: Waseda Univ., Tokyo, Japan

Journal: Applied Surface Science Conference Title: Appl. Surf. Sci. (Netherlands) vol.113-114 p.656-63

Publisher: Elsevier,

Publication Date: April 1997 Country of Publication: Netherlands

CODEN: ASUSEE ISSN: 0169-4332

SICI: 0169-4332(199704)113/114L.656:AFMU;1-R

Material Identity Number: I974-97008

U.S. Copyright Clearance Center Code: 0169-4332/97/\$17.00

Conference Title: ICSFS-8. Eighth International Conference on Solid Films and Surfaces

Conference Sponsor: Japan Soc. Promotion of Sci

Conference Date: 1-5 July 1996 Conference Location: Osaka, Japan

Document Number: S0169-4332(96)00963-4

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: Memory is essential to **electronic data** processing and continuous efforts are being made to develop improved memory devices. In the era of VLSI, difficulties have arisen with respect to storage capacitance, which must be kept to a certain value while the device dimensions are reduced. This has prompted the adoption of complicated structures like the trench or stack causing the number of process steps to be increased. The use of high dielectric constant materials has been researched for the extension of DRAM development. Recently, the development of the memories which use the polarization reversal current of the ferroelectric material is rapidly progressing because it enables high speed nonvolatile memory action which generally needed in recent electronic systems. These memories will replace a large portion of the existing memory systems in the near future. However, this is not a perfect solution to the problem, because they are not in accordance with the scaling rule. In this paper, it is shown that ferroelectric memories using the field effect current of a semiconductor by the remanent polarization of the ferroelectric material are in accordance with the scaling rule. The first experimental verification of the non-volatile memory action was reported by Moll and Tarui in 1963. This basic memory action has been successively used in MFS (metal-ferroelectric-semiconductor) transistors. The ferroelectric memories are nonvolatile and are expected to be high-speed devices, making them suitable for universal applications. However, it is necessary to optimize the interface between the semiconductor and ferroelectric material. Experiments for the prospective devices using CeO/sub 2/ or Ce/sub x/Zr/sub (1-x/)O/sub 2/ as the buffer insulator layers of the MFIS (metal-ferroelectric-insulator-semiconductor) are described. (33 Refs)

Subfile: A B

Descriptors: dielectric polarisation; DRAM chips; ferroelectric capacitors; ferroelectric storage; ferroelectric thin films; **permittivity**; ULSI

Identifiers: ULSI memories; ferroelectric materials; **electronic data** processing; VLSI; storage capacitance; device dimensions; trench; stack; high dielectric constant materials; DRAM development; polarization reversal current; high speed nonvolatile memory action; field effect current; remanent polarization; scaling rule; basic memory action; metal-ferroelectric-semiconductor transistors; ferroelectric memories;

high-speed devices; metal-ferroelectric-insulator-semiconductor transistors ; CeO/sub 2/; (CeZr)O/sub 2/

Class Codes: A7755 (Dielectric thin films); A7780 (Ferroelectricity and antiferroelectricity); A7720 (Dielectric permittivity); A7730 (Dielectric polarization and depolarization effects); B1265D (Memory circuits); B2860 (Piezoelectric and ferroelectric devices); B2130 (Capacitors); B2810F (Piezoelectric and ferroelectric materials)

Chemical Indexing:

CeO<sub>2</sub> int - Ce int - O<sub>2</sub> int - O int - CeO<sub>2</sub> bin - Ce bin - O<sub>2</sub> bin - O bin (Elements - 2)

CeZrO<sub>2</sub> ss - Ce ss - O<sub>2</sub> ss - Zr ss - O ss (Elements - 3)

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10/5/13 (Item 13 from file: 2)

DIALOG(R)File 2:INSPEC

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06576246 INSPEC Abstract Number: B9706-6210R-032

**Title: Leaky-bucket-with-gate algorithm for connection-setup congestion control in multimedia networks**

Author(s): Kimura, T. ; Asaka, T.

Author Affiliation: NTT Multimedia Networks Lab., Musashino, Japan

Journal: IEICE Transactions on Communications vol.E80-B, no.3 p. 448-55

Publisher: Inst. Electron. Inf. & Commun. Eng,

Publication Date: March 1997 Country of Publication: Japan

CODEN: ITCMEZ ISSN: 0916-8516

SICI: 0916-8516(199703)E80B:3L.448:LBWG;1-T

Material Identity Number: P711-97004

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** A leaky-bucket-with-gate algorithm is proposed to control connection-setup congestion in telecommunication networks providing multimedia services, in place of the call-gapping algorithm used in telephone networks. Multimedia services may use more than one connection simultaneously, while standard telephone services use only one connection at a time. A set of connections used to construct a multimedia service is called a correlated connection group, and the setup requests of such a group form a correlated request group. A correlated request group is assumed to be accepted into the network only when all the connection-setup requests for the group are accepted. In this paper, the proposed leaky-bucket-with-gate algorithm, a pure leaky-bucket algorithm, and a call-gapping algorithm are evaluated by simulating traffic with a mix of correlated and uncorrelated connection-setup requests; which models setup requests for **video** conferencing and telephone services. The simulation results show that the proposed algorithm accepts correlated request groups more efficiently than the pure leaky-bucket and call-gapping algorithms under the simulated traffic **conditions**, except when the interarrival time in a correlated request group is longer than the acceptance interval. We also present queueing analysis for determining the control parameters in the proposed algorithm. Implementation of this algorithm will facilitate the handling of both setup request traffic for correlated connection groups and for uncorrelated connections in multimedia networks. (13 Refs)

Subfile: B

Descriptors: multimedia communication; queueing theory; telecommunication congestion control; telecommunication traffic; teleconferencing; telephony

Identifiers: leaky-bucket-with-gate algorithm; connection-setup congestion control; multimedia networks; multimedia services; correlated connection group; correlated request group; uncorrelated connection-setup requests; correlated connection-setup requests; **video** conferencing;

telephone services; queueing analysis; control parameters; correlated connection groups

Class Codes: B6210R (Multimedia communications); B0240C (Queueing theory); B6150J (Queueing systems); B6210P (Teleconferencing); B6210D (Telephony)  
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**10/5/14 (Item 14 from file: 2)**

DIALOG(R)File 2:INSPEC

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06070867 INSPEC Abstract Number: C9511-6130B-067

**Title: Fractal views: a fractal-based method for controlling information display**

Author(s): Koike, H.

Author Affiliation: Grad. Sch. of Inf. Syst., Univ. of Electro-Commun., Tokyo, Japan

Journal: ACM Transactions on Information Systems vol.13, no.3 p. 305-23

Publication Date: July 1995 Country of Publication: USA

CODEN: ATISET ISSN: 1046-8188

U.S. Copyright Clearance Center Code: 1046-8188/95/0700-0305\$03.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Computer users often must view large amounts of information through **video** displays which are physically **limited** in size. Although some methods, which automatically display/erase information units based on their degrees of importance, have been proposed, they lack an ability to keep the total amount of displayed information nearly constant. We propose a new method for information display based on fractal theory. By regarding the information structures used in computers as complex objects, we can abstract these objects as well as control their amount. Using our method, (1) the total amount of information is kept nearly constant even when users change their focuses of attention and (2) this amount can be set flexibly. Through mathematical analysis, we show our method's ability to control the amount. An application to program display is also shown. When this method is applied to the display of structured programs, it provides fisheye-like views which integrate local details around the focal point and major landmarks further away. (24 Refs)

Subfile: C

Descriptors: computer graphics; fractals; graphical user interfaces; **software** engineering

Identifiers: fractal-based method; information display; **video** displays; fractal theory; mathematical analysis; structured programs

Class Codes: C6130B (Graphics techniques); C6110B (Software engineering techniques); C6180G (Graphical user interfaces)

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**10/5/15 (Item 15 from file: 2)**

DIALOG(R)File 2:INSPEC

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05938222 INSPEC Abstract Number: B9506-6210C-028, C9506-7410F-051

**Title: CMIP-based OpS-WS interface supporting graphical user interface**

Author(s): Tohjo, H.; Yoda, I.; Kimura, T.; Fujii, N.

Author Affiliation: NTT Optical Network Syst. Labs, Yokosuka, Japan

Journal: IEICE Transactions on Communications vol.E78-B, no.1 p. 74-81

Publication Date: Jan. 1995 Country of Publication: Japan

CODEN: ITCMEZ ISSN: 0916-8516

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Theoretical (T); Experimental (X)

**Abstract:** This paper proposes a method for constructing an interface between an operations system and a workstation (OpS-WS interface) in a telecommunications management system based on TMN. To construct this interface, an appropriate communication protocol must be selected to perform management through efficient message exchange. The human machine interface provided by the WS should specify the managed objects. The interface also needs to be implemented so as to minimize the **software** revisions needed when the computer or its associated window system, or both, are changed. The proposed method addresses all these requirements. GUI components for realizing the HMI function are defined as managed objects as are communication network resources. Therefore, the communication protocol in TMN is defined as unique and it is possible to separate the HMI interface from the OpS. CMIP is employed as the communication protocol to provide efficient message exchange. The managed objects (MOs) and their relationships are investigated in order to represent these components appropriately. In the proposed method, the CMIP-based OpS-WS interface **allows** the OpS to take the manager role and the WS take the agent role. An implementation technique for MOs is also presented. The technique enables the **software** that implements MO behaviour to be coded easily. A prototype is built to confirm the correct operation of the proposed OpS-WS interface, and it is shown that CMIP requires fewer message exchanges to indicate alarms on the WS than other protocols. (21 Refs)

Subfile: B C

**Descriptors:** computer interfaces; graphical user interfaces; man-machine systems; network operating systems; object-oriented methods; protocols; telecommunication computing; telecommunication network management; workstations

**Identifiers:** CMIP-based OpS-WS interface; graphical user interface; operations system; workstation; telecommunications management system; TMN; communication protocol; efficient message exchange; human machine interface; managed objects; GUI; HMI function; manager role; agent role; WS **software**

**Class Codes:** B6210C (Network management); B6150M (Protocols); C7410F (Communications computing); C6180G (Graphical user interfaces); C6150N (Distributed systems software); C5640 (Protocols)

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10/5/16 (Item 16 from file: 2)

DIALOG(R)File 2:INSPEC

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05863644 INSPEC Abstract Number: C9503-5550-001

**Title:** An application of a fractal-based method for information display control to a Lisp printer

**Author(s):** Koike, H.

**Author Affiliation:** Graduate Sch. of Inf. Syst., Univ. of Electro-Commun., Japan

**Journal:** Transactions of the Information Processing Society of Japan  
vol.35, no.10 p.2138-45

**Publication Date:** Oct. 1994 **Country of Publication:** Japan

CODEN: JSGRD5 ISSN: 0387-5806

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** Computer users must interact with large amounts of information through **video** displays which are physically **limited** in size. To

minimize this problem, the authors had proposed a fractal-based method for information display control, which can keep the total amount of displayed information nearly constant without relation to the structure of information. This paper describes an application of this method to the Lisp printer. In general, Lisp printers control the display of S-expressions by focusing on the depth of the S-expression and the number of siblings at each depth. However, with this method: the total amount changes considerably corresponding to the target S-expression; it also changes considerably when each threshold is incremented or decremented; it is hard to handle two thresholds. We implemented a Lisp printer which used our method, and showed its ability through the comparative experiment to the normal printer. We, moreover, extended this printer to a focus-oriented printer which used another feature of our method, the integration of details and contexts. (18 Refs)

Subfile: C

Descriptors: fractals; LISP; LISP listings; printers; user interfaces

Identifiers: fractal-based method; information display control; Lisp printer; **video** displays; S-expression; thresholds; focus-oriented printer

Class Codes: C5550 (Printers, plotters and other hard-copy output devices); C6180 (User interfaces)

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10/5/17 (Item 17 from file: 2)

DIALOG(R)File 2:INSPEC

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05812142 INSPEC Abstract Number: C9412-6110-015

**Title: Visualizing program slices**

Author(s): Ball, T.; Eick, S.G.

Author Affiliation: AT&T Bell Labs., Naperville, IL, USA  
p.288-95

Editor(s): Ambler, A.L.; Kimura, T.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA x+323 pp.

ISBN: 0 8186 6660 9

U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00

Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia Comput

Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Program slicing is an automatic technique for determining which code in a program is relevant to a particular computation. Slicing has been applied in many areas, including program understanding, debugging, and maintenance. However, little attention has been paid to suitable interfaces for exploring program slices. We present an interface for program slicing that **allows** slicing at the statement procedure, or file level, and provides fast visual feedback on slice structure, integral to the interface is a global visualization of the program that shows the extent of a slice as it crosses procedure and file boundaries, and facilitates quick browsing of numerous slices. (13 Refs)

Subfile: C

Descriptors: program debugging; program diagnostics; **software** maintenance; user interfaces; visual languages; visual programming

Identifiers: program slice visualisation; program slicing; program understanding; program debugging; **software** maintenance; statement procedure; file level; visual feedback; global visualization; file boundaries; quick browsing

Class Codes: C6110 (Systems analysis and programming); C6150G (

Diagnostic, testing, debugging and evaluating systems); C6130B (Graphics techniques); C6180 (User interfaces)

**10/5/18 (Item 18 from file: 2)**

DIALOG(R)File 2:INSPEC

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05812130 INSPEC Abstract Number: C9412-6115-055

**Title: Zooming and tunneling in Tioga: supporting navigation in multidimensional space**

Author(s): Woodruff, A.; Wisnovsky, P.; Taylor, C.; Stonebraker, M.; Paxson, C.; Chen, J.; Aiken, A.

Author Affiliation: Dept. of Electr. Eng. & Comput. Sci., California Univ., Berkeley, CA, USA

p.191-3

Editor(s): Ambler, A.L.; Kimura, T.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA x+323 pp.

ISBN: 0 8186 6660 9

U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00

Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia Comput

Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Tioga system applies a boxes and arrows programming notation to **allow** nonexpert users to graphically construct database applications. Users connect database procedures using a dataflow model. Browsers are used to visualize the resulting data. This paper describes extensions to the Tioga browser protocol. These extensions **allow** sophisticated, flight-simulator navigation through a multidimensional data space. This design also incorporates wormholes to **allow** tunneling between different multidimensional spaces. Wormholes are shown to be substantial generalizations of hyperlinks in a hypertext system. These powerful mechanisms for relating data provide users with great flexibility. For example, users can create magnifying glasses that provide an enhanced view of the underlying data. (8 Refs)

Subfile: C

Descriptors: data visualisation; graphical user interfaces; query processing; **software** tools; visual languages; visual programming

Identifiers: Tioga; navigation; multidimensional space; boxes and arrows; programming notation; database applications; dataflow model; database procedures; Tioga browser protocol; flight-simulator navigation; hyperlinks; wormholes

Class Codes: C6115 (Programming support); C6140D (High level languages); C6110 (Systems analysis and programming); C6180G (Graphical user interfaces); C6160 (Database management systems (DBMS))

**10/5/19 (Item 19 from file: 2)**

DIALOG(R)File 2:INSPEC

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05812124 INSPEC Abstract Number: C9412-6140D-103

**Title: Visual programming: limits of graphic representation**

Author(s): Nickerson, J.V.

Author Affiliation: New York Univ., NY, USA

p.178-9

Editor(s): Ambler, A.L.; Kimura, T.D.  
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA  
Publication Date: 1994 Country of Publication: USA x+323 pp.  
ISBN: 0 8186 6660 9  
U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00  
Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages  
Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia  
Comput  
Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA  
Language: English Document Type: Conference Paper (PA)  
Treatment: Practical (P); Theoretical (T)  
Abstract: The effectiveness of graphic representations of computer programs is analyzed. Existing **software** metrics are modified for use in analyzing diagrams, and two new metrics are proposed: graphic token count and diagram class complexity. A graphic design measure, data density, is transformed into a computer science measure, token density. Using these metrics, graphic representations can be compared to each other and to textual representations. Conclusions are drawn about the relative strengths of graphic and textual representation. (7 Refs)  
Subfile: C  
Descriptors: computational complexity; **software** metrics; visual languages; visual programming  
Identifiers: graphic representation; visual programming; **software** metrics; graphic token count; diagram class complexity; graphic design measure; data density; computer science measure; token density  
Class Codes: C6140D (High level languages); C6110B (Software engineering techniques); C4240 (Programming and algorithm theory)

10/5/20 (Item 20 from file: 2)

DIALOG(R)File 2:INSPEC

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05812119 INSPEC Abstract Number: C9412-6130B-061

**Title: Creating user-intended programs with programming by demonstration**

Author(s): Sassin, M.

Author Affiliation: Siemens AG, Munich, Germany

p.153-60

Editor(s): Ambler, A.L.; Kimura, T.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA x+323 pp.

ISBN: 0 8186 6660 9

U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00

Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia  
Comput

Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Programming by demonstration (PbD) is a new paradigm for the programming of devices (robots, household appliances, machines) or interactive **software** (text or graphics editors). The system enables programming without explicit coding. As a prototype of a new PbD-system, the programming by demonstration graphics editor, ProDeGE+, with extendable domain theory is introduced. The prototype illustrates how generalized functions can be generated based on a set of action sequences that are demonstrated in an interactive system. Additional interactions with users (dialog-based learning) help to reduce the hypothesis space of the PbD system. This can help to ensure that the generated function is the same as the user-intended function. Finally, the new approach enables users to extend the domain theory of the graphics editor using PbD so that they have

an opportunity to reduce the **limits** of the given domain theory while the system is in use. (19 Refs)

Subfile: C

Descriptors: human factors; interactive programming; interactive systems; user interfaces; visual languages; visual programming

Identifiers: user-intended programs; programming by demonstration; PbD; interactive **software** ; graphics editors; household appliances; robots; ProDeGE+; extendable domain theory; generalized functions; action sequences ; interactive system; dialog-based learning; hypothesis space; visual programming

Class Codes: C6130B (Graphics techniques); C6110 (Systems analysis and programming); C6180 (User interfaces)

**10/5/21 (Item 21 from file: 2)**

DIALOG(R)File 2:INSPEC

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05812117 INSPEC Abstract Number: C9412-6130B-060

**Title: Visual programming-in-the-large versus visual programming-in-the-small**

Author(s): Gorlick, M.; Quilici, A.

Author Affiliation: The Aerospace Corp., Los Angeles, CA, USA

p.137-44

Editor(s): Ambler, A.L.; Kimura, T.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA x+323 pp.

ISBN: 0 8186 6660 9

U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00

Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia Comput

Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Visual programming research has largely focused on the issues of visual programming-in-the-small. However, entirely different concerns arise when one is programming-in-the-large. We present a visual **software** engineering environment that **allows** users to construct visually programs consisting of hierarchically organized networks of components that process streams of arbitrary objects. We discuss the problems that occur when trying to construct systems consisting of thousands of interconnected components, examine how this environment deals with some of the problems specific to visual programming-in-the-large, and show why our initial solutions failed to scale successfully. Finally, we argue that a single visual mechanism called "zooming" addresses these scaling problems and, when suitably augmented, can also support automatic component discovery and intelligent error correction. (21 Refs)

Subfile: C

Descriptors: programming environments; visual languages; visual programming

Identifiers: visual programming-in-the-large; visual programming-in-the-small; visual programming research; visual **software** engineering environment; hierarchically organized networks; arbitrary objects; interconnected components; visual mechanism; zooming; scaling problems; automatic component discovery; intelligent error correction

Class Codes: C6130B (Graphics techniques); C6115 (Programming support); C6110 (Systems analysis and programming)



10/5/22 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2007 Institution of Electrical Engineers. All rts. reserv.

05812113 INSPEC Abstract Number: C9412-7250-021

**Title: Reality bites-progressive querying and result visualization in logical and VR spaces**

Author(s): Shi-Kuo Chang; Costabile, M.F.; Levialdi, S.

Author Affiliation: Dept. of Comput. Sci., Pittsburgh Univ., PA, USA  
p.100-9

Editor(s): Ambler, A.L.; Kimura, T.D.

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA x+323 pp.

ISBN: 0 8186 6660 9

U.S. Copyright Clearance Center Code: 0 8186 6660 9/94/\$04.00

Conference Title: Proceedings of 1994 IEEE Symposium on Visual Languages

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Multimedia  
Comput

Conference Date: 4-7 Oct. 1994 Conference Location: St. Louis, MO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: A **software** tool called VQRH (Visual Querying and Result Hypercube) is presented. It enables the database users to visualize both database queries and retrieval results in many different representations. Due to the lack of knowledge about the database, a user may not be able to formulate a query whose result fully satisfies his or her needs in a single attempt. Using the VQRH progressive querying tool, the user interacts with the database by means of a sequence of partial queries, each displayed together with the corresponding result as one slice of the VQR Hypercube. This tool **allows** the user to change both query and result representations. It also presents the query history in a 3D perspective, so that a particular partial query on a slice may be brought to the front of the Hypercube for further refinement. Preliminary experimental results on using the VQRH tool for scientific databases are described. The combination of logical paradigms and virtual reality paradigms in progressive querying is discussed. (22 Refs)

Subfile: C

Descriptors: query languages; query processing; **software** tools; virtual reality

Identifiers: progressive querying; result visualization; **software** tool; VQRH; Visual Querying and Result Hypercube; database users; partial queries; partial query; logical paradigms; virtual reality paradigms

Class Codes: C7250 (Information storage and retrieval); C6115 (Programming support); C6140D (High level languages)

10/5/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

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05551297 INSPEC Abstract Number: C9401-6130B-083

**Title: The role of another spatial dimension in software visualization**

Author(s): Koike, H.

Author Affiliation: Dept. of Commun. & Syst., Univ. of Electro-Commun., Tokyo, Japan

Journal: ACM Transactions on Information Systems vol.11, no.3 p. 266-86

Publication Date: July 1993 Country of Publication: USA

CODEN: ATISET ISSN: 1046-8188

U.S. Copyright Clearance Center Code: 1046-8188/93/0700-0266\$01.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The primary objective of the author is to demonstrate the use of 3D computer graphics in visualizing shapeless **software** information by focusing on performance monitoring of parallel/concurrent computer systems. Issues are addressed from two different perspectives: expressiveness of output media and user cognition. The former describes the **limitations** of 2D output media. The latter refers to a user's cognitive load when using 2D representations in a multiple-window environment. The author shows how these problems can be minimized by using a 3D framework. A prototype visualization system called VOGUE has been developed. A 3D framework is used to visualize the execution pattern of two parallel/concurrent computer systems: an electric power control system and a parallel manipulator system. Through these visualizations, he shows the effectiveness of the framework. The applications of 3D frameworks to other kinds of **software** information are also described. (33 Refs)

Subfile: C

Descriptors: graphical user interfaces; human factors; manipulators; parallel programming; power system computer control; visual programming

Identifiers: spatial dimension; **software** visualization; 3D computer graphics; shapeless **software** information; performance monitoring; parallel/concurrent computer systems; expressiveness; output media; user cognition; 2D output media; cognitive load; 2D representations; multiple-window environment; 3D framework; prototype visualization system; VOGUE; electric power control system; parallel manipulator system

Class Codes: C6130B (Graphics techniques); C6180G (Graphical user interfaces); C6110P (Parallel programming); C6110B (Software engineering techniques); C7410B (Power engineering); C7420 (Control engineering); C3390 (Robotics)

10/5/24 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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06338314 SUPPLIER NUMBER: 75563174 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Fermi Surface Nesting and Nanoscale Fluctuating Charge/ Orbital Ordering in Colossal Magnetoresistive Oxides.(condensed matter physics research)**

Chuang, Y.-D.; Gromko, A. D.; Dessau, D. S.; Kimura, T. ; Tokura, Y.  
Science, 292, 5521, 1509

May 25, 2001

ISSN: 0036-8075

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4723

LINE COUNT: 00376

AUTHOR ABSTRACT: We used high-resolution angle-resolved photoemission spectroscopy to reveal the Fermi surface and key transport parameters of the metallic state of the layered colossal magnetoresistive oxide (La.sub.1.2)(Sr.sub.1.8)(Mn.sub.2)(O.sub.7). With these parameters, the calculated in-plane conductivity is nearly one order of magnitude larger than the measured direct current conductivity. This discrepancy can be accounted for by including the pseudogap, which removes at least 90% of the spectral weight at the Fermi energy. Key to the pseudogap and to many other properties are the parallel straight Fermi surface sections, which are highly susceptible to nesting instabilities. These nesting instabilities produce nanoscale fluctuating charge/orbital modulations, which cooperate with Jahn-Teller distortions and compete with the electron itinerancy favored by double exchange.

DESCRIPTORS: Condensed matter--Research; Oxides--Research; Fermi surfaces --Research; X-rays--Scattering; Emission spectroscopy--Usage

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**12/5/1 (Item 1 from file: 2)**

DIALOG(R)File 2:INSPEC

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07075198 INSPEC Abstract Number: C9812-5440-019

**Title: Local area metacomputing for multidisciplinary problems: a case study for fluid/structure coupled simulation**Author(s): **Kimura, T.** ; Takemiya, H.

Author Affiliation: Center for Promotion of Comput. Sci. &amp; Eng., JAERI, Tokyo, Japan

Conference Title: Conference Proceedings of the 1998 International Conference on Supercomputing p.149-56

Publisher: ACM, New York, NY, USA

Publication Date: 1998 Country of Publication: USA x+464 pp.

ISBN: 0 89791 998 X Material Identity Number: XX98-01088

U.S. Copyright Clearance Center Code: 0 89791 998 X/98/7...\$5.00

Conference Title: Proceedings of 1998 International Conference on Supercomputing

Conference Sponsor: ACM

Conference Date: 13-17 July 1998 Conference Location: Melbourne, Vic., Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: A distributed parallel computing for a multidisciplinary problem has been realized on a heterogeneous parallel computer cluster. A communication library for heterogeneous parallel computing, Stampi, has been newly developed and implemented on a parallel computer cluster. This library is based on MPI specification and has capability of creating processes on the slave parallel computer from the master parallel computer. From programmers, only the ordinary functions of MPI-2 are seen and the heterogeneity is hidden. A fluid/structure coupled simulation has been applied, and the distributed parallel computing for the coupled simulation has been performed between vector-parallel and scalar-parallel computers using this library. The 3-D Euler equations were solved in a moving grid by a finite difference method on the vector-parallel computer, Fujitsu VPP300. The structure equation of motion was solved by a finite element method on the scalar-parallel computer, **Hitachi** SR2201. These two disciplines were solved concurrently and independently, synchronizing and exchanging the boundary data through the network. As a test problem, the aeroelastic response of the 3-D wing in a transonic flow was calculated. In the present simulation, the CFD code and the CSD code have shown higher performance on the vector-parallel and the scalar-parallel computers, respectively. Hence, the distributed parallel computing will be one of effective methods to raise the total performance for multidisciplinary simulations problems. (25 Refs)

Subfile: C

Descriptors: aerodynamics; aerospace computing; distributed processing; flow simulation; parallel machines; structural engineering computing

Identifiers: distributed parallel computing; multidisciplinary problem; heterogeneous parallel computer; Stampi; communication library; fluid/structure coupled simulation; Euler equations; finite difference method; vector-parallel computer

Class Codes: C5440 (Multiprocessing systems); C7460 (Aerospace engineering computing); C5220P (Parallel architecture); C7440 (Civil and mechanical engineering computing)

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**12/5/2 (Item 2 from file: 2)**

DIALOG(R)File 2:INSPEC

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06293816 INSPEC Abstract Number: A9614-0780-006

**Title: Focused ion beam system for TEM sample preparation**

Author(s): Ishitani, T.; Yaguchi, T.; **Koike, H.**

Author Affiliation: Instrum. Div., Hitachi Ltd., Japan

Journal: Hitachi Review vol.45, no.1 p.19-24

Publisher: Hitachi,

Publication Date: Feb. 1996 Country of Publication: Japan

CODEN: HITAAQ ISSN: 0018-277X

SICI: 0018-277X(199602)45:1L:19:FBSS;1-Z

Material Identity Number: H006-96003

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Experimental (X)

**Abstract:** Successful development of microdevices and new materials requires the ability to observe the cross section of these materials at any specified location. A focused ion beam (FIB) is a powerful tool for cross-sectioning of samples. This paper describes sample preparation techniques for cross-sectional transmission electron microscopy (TEM) using FIB cross-sectioning. Both high positioning accuracy of the cross-sections and high-speed milling have been achieved with an FIB system (**Hitachi** FB-2000) equipped with a high-performance ion optical column. In addition, a common sample holder for FIB and TEM has been employed to facilitate the handling of samples between the two systems. This has helped users with sample handling and has prevented damage, contamination, cracking, or loss during sample transfer. The entire process, from FIB milling to TEM observation, is performed at a throughput of 2-3 samples/day, which is larger by an order of magnitude than the conventional process consisting of mechanical polishing and ion thinning. Applications of FIB milling to TEM sample preparation have been shown using a silicon gate array device and zinc-plated steel. (7 Refs)

Subfile: A

Descriptors: focused ion beam technology; machining; specimen preparation ; transmission electron microscopy

Identifiers: focused ion beam system; TEM sample preparation; cross-sectioning; high positioning accuracy; high-speed milling; high-performance ion optical column; common sample holder; Zn-plated steel; Si gate array device; microdevice inspection; **Hitachi** FB-2000 system

Class Codes: A0780 (Electron and ion microscopes and techniques); A8170 (Materials testing); A0660E (Sample preparation)

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12/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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04803523 INSPEC Abstract Number: B91015059

**Title: Hitachi Mini Hot Strip Mill**

Author(s): **Kimura, T.** ; Sekiya, T.; Nishimura, S.

Author Affiliation: Hitachi Ltd., Japan

Journal: Hitachi Review vol.39, no.4 p.195-200

Publication Date: Aug. 1990 Country of Publication: Japan

CODEN: HITAAQ ISSN: 0018-277X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** There is increasing interest in mini hot strip mills, small-scale facilities for hot rolling steel strip. In order to make such facilities feasible, much work has been done, primarily in Europe, on the development of thin-slab casters (50 to 80 mm gauge). However, the operation of such casters tends to be unstable due to difficulties associated with feeding molten steel into a narrow mold. To avoid such

problems, **Hitachi** developed a mini hot strip mill that utilizes a conventional continuous slab caster (120 to 230 mm gauge). The authors describe the **Hitachi** Mini Hot Strip Mill which incorporates, in addition to a conventional slab caster, one or two reversing mills and a tandem finishing mill of two or more stands. A yearly production of up to 1.2 Mt is possible. (3 Refs)

Subfile: B

Descriptors: casting; hot rolling; rolling mills; steel industry

Identifiers: **Hitachi** Mini Hot Strip Mill; hot rolling; steel strip; continuous slab caster; slab caster; reversing mills; tandem finishing mill

Class Codes: B8610 (Metallurgical industries)

12/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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04309788 INSPEC Abstract Number: B89021682

**Title: Recent developments for advanced rolling mills**

Author(s): **Kimura, T.** ; Fujino, N.

Author Affiliation: Hitachi Ltd., Ibaraki, Japan

Journal: Hitachi Review vol.37, no.4 p.175-80

Publication Date: Aug. 1988 Country of Publication: Japan

CODEN: HITAAQ ISSN: 0018-277X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: The authors describe newly developed rolling mills using advanced technology. **Hitachi** has actively promoted energy conservative and high-yield rolling using the HC-MILL which uses working rolls with very small diameters for rolling thinner and harder material with higher accuracy. These mill developments provide greater flexibility for new mini mills and for upgrading existing installations. (6 Refs)

Subfile: B

Descriptors: rolling mills

Identifiers: rolling mills; **Hitachi** ; HC-MILL

Class Codes: B8610 (Metallurgical industries)

12/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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04227574 INSPEC Abstract Number: A88121504, C88055959

**Title: Pipelined system for JT-60 plasma feedback control**

Author(s): **Kimura, T.** ; Kurihara, K.; Matsukawa, M.; Kawamata, Y.; Kondo, I.; Moriyama, K.; Nakayama, T.; Meda, A.; Matsuki, T.; Murai, K.

Author Affiliation: JAERI, Ibaraki, Japan

Conference Title: Fusion Engineering Proceedings. 12th Symposium on Fusion Engineering (Cat. No.87CH2507-2) p.565-8 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1987 Country of Publication: USA 2 vol. xx+xi+1581 pp.

U.S. Copyright Clearance Center Code: CH2507-2/87/0000-0565\$01.00

Conference Sponsor: IEEE; AIAA; DOE; et al

Conference Date: 12-16 Oct. 1987 Conference Location: Monterey, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: Improvement of faster and more-accurate computation is necessary for the JT-60 feedback control of high-beta plasmas which are



produced in additional heating experiments. In order to satisfy this requirement, the feedback control system with fast array processors as a preprocessor for the feedback control computer system which consists of two process control computers of HIDIC-80E ( **Hitachi** Ltd.). The authors report how to apply the array processors and optimize their parallel and pipelined processing in this feedback control system. (2 Refs)

Subfile: A C

Descriptors: computerised control; feedback; fusion reactor instrumentation; fusion reactor theory and design; nuclear engineering computing; optimisation; pipeline processing

Identifiers: fusion reactor; parallel processing; JT-60 plasma feedback control; heating experiments; feedback control system; fast array processors; preprocessor; computer system; process control computers; HIDIC-80E

Class Codes: A2852J (Theory and design); A2852L (Instrumentation); C3340F (Nuclear systems); C7420 (Control engineering); C7470 (Nuclear engineering)

**12/5/6 (Item 6 from file: 2)**

DIALOG(R)File 2:INSPEC

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02721605 INSPEC Abstract Number: A81073585, B81038391

**Title: High-current ion implanter for industrial use**

Author(s): Sakudo, N.; Tokiguchi, K.; **Koike, H.** ; Kanomata, I.

Author Affiliation: Central Res. Lab., Hitachi Ltd., Tokyo, Japan

Conference Title: Low-Energy Ion Beams, 1980. Second International Conference on Low-Energy Ion Beams p.36-41

Editor(s): Wilson, I.H.; Stephens, K.G.

Publisher: IOP, Bristol, UK

Publication Date: 1980 Country of Publication: UK x+354 pp.

ISBN: 0 85498 145 4

Conference Date: 14-17 April 1980 Conference Location: Bath, UK

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: A proton beam stable at energies up to 400 keV from a van de Graaff accelerator conductor production line. It incorporates a microwave ion source, a 90 degrees magnetic mass separator and a rotating disc target chamber. The ion energy level can be varied from 10 to 50 keV. The device makes 10 mA P/sup +/- implantation (maximum 15 mA) possible. After beam adjustment, implantation is automatically carried out with a microcomputer. The operation rate of the implanter is markedly improved because of the long lifetime of the modified microwave ion source and the low gas consumption. The dose non-uniformity of a three inch wafer implanted by this device has a standard deviation ( sigma ) of 0.5%. This small non-uniformity results in a small sigma in the transistor current gain (less than 3.5%). One year of actual transistor production operation at **Hitachi** reveals major improvements in semiconductor device yields both in quality and quantity. (5 Refs)

Subfile: A B

Descriptors: ion implantation; ion sources

Identifiers: ion implanter; proton beam; 400 keV; microwave ion source; ion energy level

Class Codes: A2925C (Ion sources: positive, negative and polarized); A6170T (Doping and implantation of impurities); B7410D (Particle sources and targets)

**12/5/7 (Item 7 from file: 2)**

DIALOG(R)File 2:INSPEC

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01296229 INSPEC Abstract Number: B71031996

**Title: Double-beam spectrophotometer with two-wavelength measurement**

Author(s): Honkawa, T.; Kuroishi, T.; **Kimura, T.**

Author Affiliation: Hitachi Ltd., Tokyo, Japan

Journal: Hitachi Review vol.20, no.5 p.198-203

Publication Date: 1971 Country of Publication: Japan

CODEN: HITAAQ ISSN: 0018-277X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: In conventional spectrophotometers, transmittance of a sample is measured by comparing it with that of a reference substance with a known transmittance. And the sample has to be clear. In response to demand for measuring slight changes in turbid samples, recently a method is developed whereby beams with two different wavelengths are used and the transmittance of a sample is determined from the ratio or difference of the two transmittances. **Hitachi** 's Model 356 two-wavelength double-beam spectrophotometer uses the two-wavelength measurement method, but is available for conventional measurements as well.

Subfile: B

Descriptors: spectrophotometers

Identifiers: spectrophotometer

Class Codes: B7440 (Particle spectrometers)

**12/5/8 (Item 1 from file: 65)**

DIALOG(R)File 65:Inside Conferences

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01040130 INSIDE CONFERENCE ITEM ID: CN010175940

**Thin slab casting technology from Kawasaki Steel and Hitachi**

Moriwaki, S.; Ohnishi, M.; Bessho, N.; **Kimura, T.**

CONFERENCE: New smelting reduction and near net shape casting technologies for steel Pt 2; Near net shape casting-International conference

P: 448-456

Seoul, KIM, 1990

LANGUAGE: English DOCUMENT TYPE: Conference Preprints

CONFERENCE SPONSOR: Korean Institute of Metals Institute of Metals

CONFERENCE LOCATION: Pohang, Korea

CONFERENCE DATE: Oct 1990 (199010)

BRITISH LIBRARY ITEM LOCATION: q95/06557 International conference

NOTE:

Also known as SRNC 90

DESCRIPTORS: new smelting reduction; near net shape casting technologies; steel ; SRNC; KIM; metals

**12/5/9 (Item 1 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB

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06453971 SUPPLIER NUMBER: 13859701 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Options for metals analysis in silane gas.**

Morin, Michel; **Kimura, Takako** ; Koyanagi, Mitsumasa; Hirose, Masataka;

Friedt, Jean M.

Solid State Technology, v36, n4, p45(4)

April, 1993

EIC 3600

Dialog Search

ISSN: 0038-111X      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 2696      LINE COUNT: 00220

SPECIAL FEATURES: illustration; table; graph  
INDUSTRY CODES/NAMES: ELEC Electronics  
DESCRIPTORS: Silane--Usage; Metals--Standards; Contamination (Technology)  
--Analysis; Semiconductors--Manufacture  
SIC CODES: 3674 Semiconductors and related devices  
FILE SEGMENT: TI File 148

Set	Items	Description
S1	1239817	(DIGITAL OR ELECTRONIC OR VIRTUAL OR CYBER OR ONLINE OR ON- ( )LINE) (1W) (CONTENT? ? OR MATERIAL? ? OR DATA OR FILE OR FILE- S) OR NEWS OR NEWS() (ARTICLE? ? OR STOR???) OR MUSIC OR MP3 OR MP3S OR SONG? ? OR GAME? ? OR MOVIE? ? OR VIDEO? ? OR DOWNLO- AD? (1N) (ITEM?
S2	83072	SELL OR SELLING OR SOLD OR BUY??? OR PURCHAS???
S3	12497694	USE OR USES OR USED OR USING OR USAGE? ? OR UTILIZATION OR UTILISATION OR LICENSE?
S4	2025025	CONDITION? ? OR PRIVILEGE? ? OR RESTRICTION? ? OR RESTRICT- ED OR LIMITED OR LIMIT? ? OR LIMITATION? ? OR PROHIBIT?
S5	1643321	PERMIT OR PERMITT? OR PERMISSION OR ALLOW?? OR ALLOWABLE OR APPROVED OR AUTHORIZE
S6	987893	CONSUMER? ? OR CUSTOMER? ? OR CLIENT? ? OR SHOPPER? ? OR P- URCHASER? ? OR BUYER? ? OR SUBSCRIBER? ? OR USER OR USERS
S7	25733	RETRANSMIT? OR RETRANSMISSION OR RESEND? OR REDOWNLOAD? OR (RE OR AGAIN OR REPEAT?) (1N) (TRANSMIT? OR TRANSMISSION OR SEN- D??? OR DOWNLOAD? OR UPLOAD? OR DELIVER?)
S8	198349	LIST? ? OR PAGE? ? OR WEBPAGE? ? OR WEBSITE? ? OR (WEB OR - HOME) ( ) (PAGE? OR SITE?)
S9	5825289	GENERAT??? OR CREAT??? OR DEFIN??? OR SET OR SETTING
S10	7148255	TRANSMIT? OR SEND??? OR DISPLAY??? OR SHOW??? OR PRESENT???
S11	8685	S1 AND S2
S12	240754	S3 (5N) (S4 OR S5)
S13	372	S11 AND S12
S14	50	S13 AND S8
S15	1	S14 AND S7
S16	49	S14 AND (S7 OR S6)
S17	30	S16 AND IC=(G06F-017/60 OR G06F-017/30 OR G07F-007/00 OR G- 06Q?)
S18	30	IDPAT (sorted in duplicate/non-duplicate order)
S19	30	IDPAT (primary/non-duplicate records only)

File 350:Derwent WPIX 1963-2006/UD=200713  
(c) 2007 The Thomson Corporation

File 347:JAPIO Dec 1976-2006/Oct(Updated 070201)  
(c) 2007 JPO & JAPIO

19/5/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0016174514 - Drawing available

WPI ACC NO: 2006-706154/200673

Related WPI Acc No: 1998-401088; 1998-582690; 1999-387835; 2000-037245;  
 2000-037246; 2001-463529; 2002-442268; 2003-575991; 2003-720448;  
 2005-239680; 2006-765345

XRPX Acc No: N2006-555485

**Shopping facility for use in data collection environment, has portable terminal provided with display for illustrating help and instructional files associated with selected items identified with machine code reader**

Patent Assignee: SYMBOL TECHNOLOGIES INC (SYMB-N)

Inventor: BEACH R; MURRAH J; RISO F; ROSLAK T K; SANDLER R; TRACY W X

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 7107221	B1	20060912	US 1996706579	A	19960905	200673 B
			US 1996771463	A	19961220	
			US 1999435883	A	19991104	
			US 2000692402	A	20001019	

Priority Applications (no., kind, date): US 1996706579 A 19960905; US 1996771463 A 19961220; US 1999435883 A 19991104; US 2000692402 A 20001019

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 7107221	B1	EN	24	10	C-I-P of application US 1996706579 Division of application US 1996771463

Continuation of application US

1999435883

C-I-P of patent US 5825002  
 Division of patent US 5979757  
 Continuation of patent US 6199753

#### Alerting Abstract US B1

NOVELTY - The facility has a self-scanning system **permitting** a **customer** to select items **using** portable terminals (12A-12E). A communication device delivers a **customer list** to the terminal. The terminal is provided with a display for illustrating help and instructional files associated with the items identified with a machine code reader. Data collected in the terminal are communicated to a central host that performs computing functions.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.a method for delivering a customer shopping list of items for use at a shopping facility
- 2.a system for delivering a shopping list of items for use at a shopping facility.

USE - Used in a data collection environment in which data is communicated from a central host to an end **user** employing a portable data collection terminal e.g. PPT 4100 and PPT 4600 manufactured by Symbol Technology.

ADVANTAGE - The portable terminal is provided with the display for illustrating the help and the instructional files associated with the selected item identified with the machine code reader, thus enabling a

warehouse clerk who reads a bar code from a box of potato chips to automatically retrieve from the central host an instruction file instructing the person where to forward the package, or providing repair instructions from the central host for an engine part which is marked with a machine readable code to an airplane mechanic. The data collected with the portable terminal is communicated to the central host that performs the computing functions, thus reducing the computational memory and power requirements of the portable terminals communicating with a shopping system.

DESCRIPTION OF DRAWINGS - The drawing shows a general block diagram of a shopping system.

10 Local area network  
 12A -, 12E Portable terminals  
 13A, 13B Multiple access points  
 16 Ethernet local area network backbone  
 20 Site

**Title Terms/Index Terms/Additional Words:** SHOPPING; FACILITY; DATA; COLLECT ; ENVIRONMENT; PORTABLE; TERMINAL; DISPLAY; ILLUSTRATE; HELP; INSTRUCTION ; FILE; ASSOCIATE; SELECT; ITEM; IDENTIFY; MACHINE; CODE; READ

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06Q-0030/00 A I F B 20060101

G06Q-0099/00 A I L B 20060101

US Classification, Issued: 705001000, 705026000

File Segment: EPI;

DWPI Class: T01; T04; T05; W01

Manual Codes (EPI/S-X): T01-N01A2A; T01-N01C; T04-A03B1; T05-L01C; T05-L01D ; W01-A06G3

19/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0015988991 - Drawing available

WPI ACC NO: 2006-520660/200653

XRPX Acc No: N2006-417452

Music creation/development/distribution processing method, involves providing central download statistical database to collect information on each individual download, and displaying account information

Patent Assignee: MEISNER P H (MEIS-I)

Inventor: MEISNER P H

Patent Family (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20060149681	A1	20060706	US 2004633108	P	20041204	200653 B
			US 2005292897	A	20051203	

Priority Applications (no., kind, date): US 2004633108 P 20041204; US 2005292897 A 20051203

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20060149681	A1	EN	39	8	Related to Provisional US 2004633108

Alerting Abstract US A1

NOVELTY - The method involves storing and serving uploaded music files

to a central server system and database. A software application is provided to effectuate communicate with the central server system and a central transaction processing system and database over a wide area network. A central download statistical database is provided to collect information on each individual download. The application displays account information.

USE - Used for processing **music** creation, development and distribution.

ADVANTAGE - The central download statistical database is provided to collect the information on each individual download, thus efficiently offering the information to major **music** labels for their use in scouting and signing independent artists, and hence directly exchanging **music** and **consumer purchasing** power.

DESCRIPTION OF DRAWINGS - The drawing shows steps for a method for processing **music** creation, development and distribution.

**Title Terms/Index Terms/Additional Words:** **MUSIC** ; CREATION; DEVELOP; DISTRIBUTE; PROCESS; METHOD; CENTRAL; STATISTICAL; DATABASE; COLLECT; INFORMATION; INDIVIDUAL; DISPLAY; ACCOUNT

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06Q-0099/00** A I F B 20060101

US Classification, Issued: 705052000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N01A2; T01-N01D1

**19/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015766617 - Drawing available

WPI ACC NO: 2006-328074/200634

XRPX Acc No: N2006-277777

**Multimedia program e.g. movie , displaying method for use in e.g.**

**Internet, involves performing media program using established language when a user interacts with area, which is defined by image map and layer/hot spot**

Patent Assignee: FLATHER D (FLAT-I)

Inventor: FLATHER D

**Patent Family** (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20060089843	A1	20060427	US 2004972462	A	20041026	200634 B

Priority Applications (no., kind, date): US 2004972462 A 20041026

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20060089843	A1	EN	12	3	

#### Alerting Abstract US A1

NOVELTY - The method involves establishing an image map and layer/hot spot for defining a region within a multimedia segment. A media program is performed using established language e.g. JavaScript, when a **user** interacts with the defined area. A **web page** , **web site** , file or series of **pages** depicting information or products relating to the program are displayed at the end of the media program.

**USE** - Used for displaying a multimedia program e.g. **movie** , **music video** , educational program and **news** , that is utilized in an Internet, cable television and telephone.

**ADVANTAGE** - The method provides a secure and convenient way for **users** to receive more information about products or services, and allows the **users** to interact with the media electronically to solicit more information on the products, which are featured in a media program without the need to keep entering their payment details or address information.

**DESCRIPTION OF DRAWINGS** - The drawing shows a media player that controls to play, pause, stop and adjust audio of a media.

**Title Terms/Index Terms/Additional Words:** PROGRAM; **MOVIE** ; DISPLAY; METHOD ; PERFORMANCE; MEDIUM; ESTABLISH; LANGUAGE; **USER** ; INTERACT; AREA; DEFINE; IMAGE; MAP; LAYER; HOT; SPOT

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06Q-0099/00** A I F B 20060101

US Classification, Issued: 705001000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N01A2A; T01-N01A2C

**19/5/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015500025 - Drawing available

WPI ACC NO: 2006-064163/200607

XRPX Acc No: N2006-055646

**Tracking method for content lent to portable electronic device e.g. cellular telephone, involves terminating rental session based on power conditions of portable electronic device**

Patent Assignee: SCHULTZ C P (SCHU-I)

Inventor: SCHULTZ C P

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050278228	A1	20051215	US 2004867863	A	20040615	200607 B

Priority Applications (no., kind, date): US 2004867863 A 20040615

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050278228	A1	EN	12	4	

#### Alerting Abstract US A1

**NOVELTY** - A request for multimedia content received for a rental session is received from the portable electronic device and checked for authorization. The multimedia content for rental session is received at the portable electronic device. The rental session is terminated based on the predetermined power condition of the portable electronic device.

**DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

- 1.portable electronic device for tracking content rental; and
- 2.multimedia content rental system.



USE - For multimedia content rental system (claimed) that lends multimedia content like ring tones, wallpapers, video games, etc., on rental basis **to portable** electronic devices (claimed) such as cellular telephone, personal digital assistant (PDA), two-way radio pager, handheld gaming device, laptop computer, **etc.**

ADVANTAGE - Grants the user to access the multimedia content **on** a restricted basis and permits the user to sample or appraise the **content** to determine whether the user wishes to purchase the content **for** permanent use. **The** user is allowed to **participate** in **game** or **some** other content for **a** certain amount of time.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the method of tracking rented content.

**Title Terms/Index Terms/Additional Words:** TRACK; METHOD; CONTENT; PORTABLE; ELECTRONIC; DEVICE; CELLULAR; TELEPHONE; TERMINATE; RENT; SESSION; BASED; POWER; CONDITION

#### Class Codes

International Classification (Main): **G06F-017/60**  
US Classification, Issued: 705026000

File Segment: EPI;

DWPI Class: T01; T05; W01; W03; W04; W05

Manual Codes (EPI/S-X): T01-J30B; T01-M06A1A; T01-N01A1; T01-N01A2A; T01-N01A2G; T01-N01D1; T01-N02B; T05-H05C; T05-H05E; W01-C01D3C; W01-C01P1; W01-C01Q1A; W03-G04; W04-X02C; W05-A05C1

**19/5/5 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015183717 - Drawing available

WPI ACC NO: 2005-533309/200554

XRPX Acc No: N2005-436672

**Circulation method of prepaid card, involves transmitting purchase request message of prepaid card to server, generating prepaid card, and storing password input by purchaser in response to purchase confirmation message**

Patent Assignee: KEY2NET SOLUTION CO LTD. (KEYT-N)

Inventor: KIM Y; KIM Y H

**Patent Family** (2 patents, 106 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2005064514	A1	20050714	WO 2004KR3464	A	20041227	200554 B
KR 2005066227	A	20050630	KR 200397485	A	20031226	200641 E

Priority Applications (no., kind, date): KR 200397485 A 20031226

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2005064514	A1	EN	38	8	

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD

SE SI SK SL SZ TR TZ UG ZM ZW

**Alerting Abstract WO A1**

NOVELTY - A **purchase** request of a prepaid card is transmitted from a **purchaser** to a sever. A prepaid card is generated by the server and stored in a database corresponding to the **purchaser** terminal. A password input by the **purchaser** in response to the **purchase** confirmation message, is associated with the card and stored in the database.

USE - For circulation of prepaid card for financial transaction with respect to bank, through internet.

ADVANTAGE - **Allows user to purchase**, transfer and **use** the prepaid card, easily and prevents **user** from losing the card by performing **purchase** /transfer through **web pages**. **Allows user** to create or select desired **digital content** for message transmission, easily.

DESCRIPTION OF DRAWINGS - The figure shows an explanatory view of the prepaid card circulation system.

- 10 mobile terminal
- 11 base station
- 20 computer
- 30 automatic response system
- 40 financial automation system

**Title Terms/Index Terms/Additional Words:** CIRCULATE; METHOD; PREPAYMENT; CARD; TRANSMIT; **PURCHASE**; REQUEST; MESSAGE; SERVE; GENERATE; STORAGE; PASSWORD; INPUT; RESPOND; CONFIRM

**Class Codes**

International Classification (Main): **G06F-017/60**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

**G06Q-0030/00** A I R 20060101

**G06Q-0030/00** C I R 20060101

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-N01A1; T01-N01A2A; T01-N02B1; T05-H02C3; T05-L02

**19/5/6 (Item 6 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014996571 - Drawing available

WPI ACC NO: 2005-344455/200535

XRPX Acc No: N2005-281415.

**Secure rental/sale digital content distribution method e.g. for CD, involves deleting digital content from local storage unit, after checking for presence of content which are stored back into customer content library**

Patent Assignee: VARBLE T B (VARB-I)

Inventor: VARBLE T B

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050091164	A1	20050428	US 2003514228	P	20031024	200535 B
			US 2004971903	A	20041022	

Priority Applications (no., kind, date): US 2003514228 P 20031024; US 2004971903 A 20041022

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050091164	A1	EN	30	8	Related to Provisional US 2003514228

**Alerting Abstract US A1**

**NOVELTY** - The method involves validating the usage rights of the **digital content** and storing in a local storage unit in different areas of owned/rented area. The stored content are decrypted and streamed to a content player after validation of the usage rights. The content from the local storage unit are deleted, after checking for the presence of the content which are stored back into the **customer** content library.

**USE** - For secure rental/sale **digital content** distribution e.g. CD and DVD through internet.

**ADVANTAGE** - Ensures enforcement of copyrights and end- **use** licensing.

**Allows customer** to check-in and check-out the rented/owned **digital content**.

**DESCRIPTION OF DRAWINGS** - The figure shows the hardware architecture of the secure rental/sale **digital content** distribution system.

100 **digital content** online store

102 database server

106 private network

108 high-capacity link

114 internet access link

**Title Terms/Index Terms/Additional Words:** SECURE; RENT; SALE; DIGITAL; CONTENT; DISTRIBUTE; METHOD; CD; DELETE; LOCAL; STORAGE; UNIT; AFTER; CHECK; PRESENCE; BACK; **CUSTOMER** ; LIBRARY

**Class Codes**

International Classification (Main): **G06F-017/60**

US Classification, Issued: 705052000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-N01A2A; T01-N01D1; T05-H05E

**19/5/7** (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014965905 - Drawing available

WPI ACC NO: 2005-313702/200532

XRPX Acc No: N2005-256389

Digital content purchasing method for Internet, involves initiating payment for content to party when user is found to be authorized by payment to use content by utilizing program on user 's computer, and authorizing content use

Patent Assignee: MER-TEC INC (MERT-N)

Inventor: MCINTOSH J L

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050080733	A1	20050414	US 2003683619	A	20031014	200532 B

Priority Applications (no., kind, date): US 2003683619 A 20031014

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
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US 20050080733 A1 EN 7 4

**Alerting Abstract US A1**

**NOVELTY** - The method involves **downloading digital content** by a **user** and initiating the use of the **digital content**. A program is utilized on **user**'s computer previous installed to determine if **user** is to be authorized by payment to use the **digital content**. The payment for the **digital content** is initiated to a third party when **user** is found to be authorized, and authorizing use of **digital content** by **user**.

**USE** - Used for **purchasing digital content** over the Internet.

**ADVANTAGE** - The method dramatically reduces the cost of **selling digital content** or other products from **web sites** by eliminating the need for the **web site** to implement an integrated payment system with their site. The method enables any **web site** to publish **digital content** for sale and receive payment for each **purchase**. The method protects **user**'s credit card number and other sensitive personal data by not sending it to the merchant over the Internet. The method enables the **user** to make micro **purchases**, thus allowing **web sites** to **sell** content that today they either give away or don't even publish. The method provides a single methodology for making **purchases** regardless of the tender actually **used** for the **purchase**. The method **allows** the **user** to accept or reject each **purchase** made from a **web site** as it occurs, thus allowing the Internet **user** to personally control any charges to their account. The method provides a monthly statement of all account activity regardless of which **web sites** originated the charge to a **users** account. The method allows **users** to maintain control over the amount of risk they are willing to take when making **purchases** over the Internet based on the amount they choose to place in their Electrum account and allows reporting to the merchant for **purchase** analysis, demographic analysis, and **customer** profiles from a single source. The **users** only have to maintain one account that can be used at any participating merchant site, and remain anonymous to merchant sites.

**DESCRIPTION OF DRAWINGS** - The drawing shows a block diagram depicting the steps in setting up a **web site** agreement with secure castle.

10 Secure castle

11 **Customer**

12 Database

13 Secure castle **web site**

**Title Terms/Index Terms/Additional Words:** DIGITAL; CONTENT; **PURCHASE** ; METHOD; INITIATE; PAY; PARTY; **USER** ; FOUND; AUTHORISE; UTILISE; PROGRAM; COMPUTER

**Class Codes**

International Classification (Main): **G06F-017/60**

US Classification, Issued: 705040000, 705067000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-N01A1; T05-L02

**19/5/8 (Item 8 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014782870 - Drawing available

WPI ACC NO: 2005-130551/200514

XRPX Acc No: N2005-111810

**Digital rights managing method for e.g. mobile computer, involves receiving**

**license via secure out of band transfer, if license request adheres to access rules, and decrypting selected media item for playback via media devices**

Patent Assignee: BAUMBERGER D (BAUM-I); JERONIMO M D (JERO-I);

KUSHALNAGAR N R (KUSH-I); THARAPPEL F M (THAR-I)

Inventor: BAUMBERGER D; JERONIMO M D; KUSHALNAGAR N R; THARAPPEL F M

**Patent Family** (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050010531	A1	20050113	US 2003616614	A	20030709	200514 B

Priority Applications (no., kind, date): US 2003616614 A 20030709

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 20050010531	A1	EN	12	4		

#### Alerting Abstract US A1

NOVELTY - The method involves retrieving a selected digital media item from a content server over a network connection. A license is obtained to decrypt the selected item, if the item is encrypted. Access to the license is based on access rules. The license is received via a secure out of band transfer, if a request for the license adheres to the rules. The item is decrypted for playback via media rendering devices e.g. media player.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.an article including a storage medium having machine accessible instructions, where when the instructions are executed by a processor, the instructions provide for performing a method of managing digital rights

2.a system for managing digital rights media.

USE - Used in a programmable machine such as a mobile or stationary computer, a personal digital assistant (PDA), a set top box, a cellular telephone and a pager, and a distributed computing environment, for managing **digital** rights in a controlled network.

ADVANTAGE - The method allows the media rendering devices within a home network to play media content if the terms of the license purchased by the user allow for multiple **devices** to be used. **The method** does not limit the playback of media content to one **device** on the home network, and allows multiple devices to play the media content at the same time.

DESCRIPTION OF DRAWINGS - The drawing shows a flow diagram of a method for enabling a media renderer to acquire a license from a local license server to enable playback of digital media on a media rendering device.

**Title Terms/Index Terms/Additional Words:** DIGITAL; MANAGE; METHOD; MOBILE; COMPUTER; RECEIVE; LICENCE; SECURE; BAND; TRANSFER; REQUEST; ADHERE; ACCESS; RULE; SELECT; MEDIUM; ITEM; PLAYBACK; DEVICE

#### Class Codes

International Classification (Main): **G06F-017/60**

(Additional/Secondary): H04L-009/00

US Classification, Issued: 705059000, 380200000

File Segment: EPI;

DWPI Class: T01; T03; W03; W04

Manual Codes (EPI/S-X): T01-N01A2G; T01-N03A1B; T01-S03; T03-P07A; W03-A16C5H; W03-A16E; W04-F01L1; W04-G01L1

19/5/9 (Item 9 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0014568270 - Drawing available  
 WPI ACC NO: 2004-750228/200474  
 Related WPI Acc No: 2004-796293; 2004-796361; 2005-078675; 2005-657119  
 XRPX Acc No: N2004-592764

**Funds transfer method to recipient's account, involves receiving allowance increment from user to indicate amount of money to be transferred periodically**

Patent Assignee: APPLE COMPUTER INC (APPY)  
 Inventor: BURKHOLDER T; GAUTIER P; MIRRASHIDI P; ROBBIN J L  
**Patent Family** (3 patents, 34 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 1471476	A1	20041027	EP 2004252425	A	20040426	200474 B
US 20040215534	A1	20041028	US 2003465410	P	20030425	200474 E
			US 2003688213	A	20031015	
US 20040216108	A1	20041028	US 2003465410	P	20030425	200474 E
			US 2004775527	A	20040209	

Priority Applications (no., kind, date): US 2004775527 A 20040209; US 2003688213 A 20031015; US 2003465410 P 20030425; US 2004776403 A 20040210

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 1471476	A1	EN	27	8	
Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR					
US 20040215534	A1	EN			Related to Provisional US 2003465410
US 20040216108	A1	EN			Related to Provisional US 2003465410

#### Alerting Abstract EP A1

NOVELTY - An allowance request is received from the **user** indicating a request to setup allowance for a recipient, representing amount of money to be made available by the **user** to the recipient for **purchase** of items over the network. The allowance increment indicating an amount of money to be transferred to the recipient account on a periodic basis is also received from the **user**.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.a graphical user interface for use in facilitating the transfer of money to a recipient account associated with a recipient;
- 2.system adapted for implementing two or more related accounts;
- 3.a computer-readable media including computer program code for transferring an amount of money to a recipient account; and
- 4.computer program code for transfer of money to recipient account.

USE - For transferring amount of money to recipient account, making money available for use by recipient for purchase of goods over network e.g. for providing gifts **by** parents to children, for downloading multimedia items such as music through Internet.

ADVANTAGE - Enables user to create recurring allowance for recipient. The user can **limit** the use of the allowance by the **recipient** to **the** purchase **of** a limited set of items available for purchase **at** specific

web site. Enables user to monitor the **activities** of the **recipient account** and **therefore** the use of the allowance by the recipient.

DESCRIPTION OF DRAWINGS - The figures show the flowcharts explaining the method of creating allowance account.

**Title Terms/Index Terms/Additional Words:** FUND; TRANSFER; METHOD; ACCOUNT; RECEIVE; ALLOW; INCREMENT; **USER** ; INDICATE; AMOUNT; MONEY; PERIOD

#### Class Codes

International Classification (Main): **G06F-017/60** , G06F-009/46, G07F-019/00

US Classification, Issued: 705030000, 718100000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-J12B; T01-N01A1; T01-S03; T05-L02

**19/5/10 (Item 10 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014434195 - Drawing available

WPI ACC NO: 2004-624628/200460

Related WPI Acc No: 2004-281647

XRPX Acc No: N2004-493975

**Menu displaying method for providing self-service in quick-serve restaurant industry, involves displaying different levels of items in respective zones and receiving input from user for desired item type**

Patent Assignee: CRAIG M D (CRAI-I); DEV R H (DEVR-I); MCKENZIE A E (MCKE-I); SAMBER M (SAMB-I); WARD K (WARD-I)

Inventor: CRAIG M D; DEV R H; MCKENZIE A E; SAMBER M; WARD K

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20040158499	A1	20040812	US 2002396187	P	20020716	200460 B
			US 2002396188	P	20020716	
			US 2003620717	A	20030716	

Priority Applications (no., kind, date): US 2002396188 P 20020716; US 2002396187 P 20020716; US 2003620717 A 20030716

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20040158499	A1	EN	42	24	Related to Provisional US 2002396187 Related to Provisional US 2002396188

#### Alerting Abstract US A1

NOVELTY - The method involves displaying a level of items in a zone and receiving an input from a **user** of desired item type from the level. Another level of sub item types from the former type is displayed in another zone while maintaining viewability of the former zone. Another input is received from a **user** of a desired sub item from another level. A third level of items from the desired sub item type is displayed in a third zone.

DESCRIPTION - The third level is displayed while maintaining a viewability of the former two zones. INDEPENDENT CLAIMS are also included for the following:

- 1.an apparatus for displaying a menu

- 2.a method of processing an order for pick up at a selected pick-up site
- 3.a method for providing ordered items
- 4.a method of creating a custom take-out menu for display at a data entry terminal
- 5.a method of displaying a custom take-out menu at a data entry terminal
- 6.a method for preparing an item for pick up
- 7.a method of selecting options for an orderable item
- 8.a system for processing an order.

USE - Used for displaying a menu for providing self-service ordering and payment in a quick-serve restaurant industry.

ADVANTAGE - The method enables provision of self-service, hence provides faster order processing time and reduced frustration. The method also reduces mis-orders and corresponding disappointment and return. The method further provides reduced time waiting in line, increased preception of privacy and availability of enhanced services that are not available traditionally. The method also provides competitive differentiation for a subset of customers, reduction of required staff, reduction of mis-orders and uniform up-sell capabilities. The method provides add-on revenue **potential** e.g. advertising, opportunity for additional interaction with customer through offerings **such** as customer loyalty programs and games. The method also provides automatic menu changeover based on time- **of** -day e.g. breakfast **to** lunch and lunch **to** dinner, day of the week, day of the year, and present weather conditions. The system implementing the method provides economical self-service ordering and payment terminals, restaurant self-service terminals and drive through terminals.. The system using the method may be intuitive i.e. easy to use, centralized, offer easy-to-maintain menu and store definitions, and offer tie-ins capabilities to existing point-of-sale terminals and kitchen systems. The system implementing the method also offers publicly accessible website and enhanced services.

DESCRIPTION OF DRAWINGS - DESCRIPTION OF DRAWING - The drawing shows a system diagram for an ordering system.

- 114 Transaction manager
- 700 Ordering system
- 702 Customer touch points
- 706 Point-of-sale system
- 724 Wide area network connectivity

**Title Terms/Index Terms/Additional Words:** MENU; DISPLAY; METHOD; SELF; SERVICE; QUICK; SERVE; RESTAURANT; INDUSTRIAL; LEVEL; ITEM; RESPECTIVE; ZONE; RECEIVE; INPUT; **USER** ; TYPE

#### **Class Codes**

International Classification (Main): **G06F-017/60**  
US Classification, Issued: 705026000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-J05A2A; T05-D01; T05-H02C5A; T05-J; T05-L01A; T05-L01B



19/5/11 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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0014357598 - Drawing available  
WPI ACC NO: 2004-546172/200453  
XRPX Acc No: N2004-431797

**Interactive privilege supply system for advertising privileges or discounts awarded to consumers interact with Internet advertisements or games , where product supply device generates privilege data that is interlocked with time .**

Patent Assignee: FUKUDA K (FUKU-I); MARUYAMA T (MARU-I); SONY CORP (SONY)

Inventor: FUKUDA K; MARUYAMA T

**Patent Family** (3 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
GB 2397413	A	20040721	GB 2004565	A	20040112	200453 B
US 20040143840	A1	20040722	US 2003739442	A	20031218	200453 E
JP 2004272301	A	20040930	JP 200349888	A	20030226	200464 E

Priority Applications (no., kind, date): JP 200310378 A 20030117; JP 200349888 A 20030226

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
GB 2397413	A	EN	181	46	
JP 2004272301	A	JA	56		

#### Alerting Abstract GB A

NOVELTY - An interactive privilege supply system comprising a **user** terminal device, a privilege supply device and a product supply device, which in use are connected via a network, where the product supply device comprises means for at least generating privilege data in which a privilege is interlocked with time; the **user** terminal device comprises means for generating entry data within a predetermined period of time in accordance with the privilege data and

contingency data, which is contained in program data transmitted at least from the privilege supply device; and the privilege supply device comprises means for generating result data, which at least contains validity period information about product privilege **purchase** , in accordance with the relationship between the contingency data and the entry data.

**USE** - Interactive **privilege** supply system for advertising and marketing privileges or discounts awarded to **consumers** for viewing advertisements on an Internet **web site** , playing an interactive quiz **game** or watching a Interactive broadcast program.

**ADVANTAGE** - Provides an improved interactive privilege supply system that is capable of furnishing a participant in an interactive program with a privilege attached to a product or service. For example when a **consumer** is viewing a broadcast program or browsing a **web site** the **consumer** can be awarded a discount for looking at an advertisement for a particular product or by playing an interactive **game** which gives the **consumer** a reward of a product or service discount if the **game** is won.

**DESCRIPTION OF DRAWINGS** - The drawing illustrates the contents of a screen that is displayed on a **user** terminal device for an interactive privilege supply system.

**Title Terms/Index Terms/Additional Words:** INTERACT; SUPPLY; SYSTEM; ADVERTISE; DISCOUNT; AWARD; CONSUME; **GAME** ; PRODUCT; DEVICE; GENERATE; DATA; INTERLOCKING; TIME

**Class Codes**

International Classification (Main): **G06F-017/60** , H04N-007/16  
 (Additional/Secondary): A63F-013/12, H04N-007/10, H04N-007/25  
 US Classification, Issued: 725032000, 725025000, 725030000

File Segment: EngPI; EPI;

DWPI Class: T01; T05; W02; W03; W04; W05; P36

Manual Codes (EPI/S-X): T01-N01A1; T01-N01A2A; T01-N01A2C; T01-N01B1;  
 T01-N02B1B; T05-L02; W02-F10; W03-A16C5; W04-X02; W05-E03C; W05-E03E

**19/5/12 (Item 12 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0013753377 - Drawing available

WPI ACC NO: 2003-852155/200379

XRPX Acc No: N2003-680532

**Licensed digital goods usage monitoring method for automatic sales and commerce transactions, involves detecting usage of multiple instances of licensed digital goods in one digital device using data in database record**

Patent Assignee: RAMANATHAN K (RAMA-I)

Inventor: RAMANATHAN K

**Patent Family** (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 20030177074	A1	20030918	US 2002365095	P	20020318	200379 B
			US 2002375862	P	20020426	
			US 2002418866	P	20021015	
			US 2003390837	A	20030318	

Priority Applications (no., kind, date): US 2002418866 P 20021015; US 2002375862 P 20020426; US 2002365095 P 20020318; US 2003390837 A 20030318

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030177074	A1	EN	37	28	Related to Provisional US 2002365095
					Related to Provisional US 2002375862
					Related to Provisional US 2002418866

**Alerting Abstract US A1**

NOVELTY - The licensed digital goods such as software, is associated with a database record (710), such that each instance of the licensed goods is communicated with the record. The updating of the record is initiated, when each instance of the goods is used on digital devices like computers (740) and personal digital assistant (PDA) (750). The race **conditions** indicating **usage** of multiple instances of the goods in one device, is identified using the records.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.license server; and

2.computer program product for monitoring usage of licensed digital goods.

USE - For monitoring usage of licensed digital goods such as webpage, software and digital media file **for** automatic sales **and** electronic **commerce** transaction of digital goods.

ADVANTAGE - Secured e-commerce can be achieved and vendors can be assured of their rights and users can enjoy rights with minimal **inconvenience** or loss of privacy, since usage can be automatically monitored and payment can be collected for extra usage.

DESCRIPTION OF DRAWINGS - The figure shows the schematic block diagram of the licensed digital good usage monitoring system.

710database record

720server

730communication medium

740computer

750personal digital assistant

**Title Terms/Index Terms/Additional Words:** DIGITAL; GOODS; MONITOR; METHOD; AUTOMATIC; SALE; TRANSACTION; DETECT; MULTIPLE; INSTANCE; ONE; DEVICE; DATA; DATABASE; RECORD

**Class Codes**

International Classification (Main): **G06F-017/60**

US Classification, Issued: 705026000

File Segment: EPI;

DWPI Class: T01; T05; W04

Manual Codes (EPI/S-X): T01-J05B4P; T01-M06A1A; T01-N01A; T01-N01D1;

T01-N02B1B; T01-N02B2; T01-S03; T05-H05E; T05-L02; W04-F01L; W04-G01L

**19/5/13 (Item 13 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0012989918 - Drawing available

WPI ACC NO: 2003-067657/200306

Related WPI Acc No: 1995-200530; 1996-518986; 1997-310156; 1998-009129;

1998-110064; 1998-286225; 1999-204782; 1999-444465; 2000-013122;

2000-194736; 2000-195398; 2000-365779; 2000-464989; 2000-490584;

2000-647035; 2001-022904; 2001-335855; 2001-357503; 2001-374044;

2001-397673; 2001-425330; 2001-570080; 2001-580828; 2001-581298;

2001-581665; 2001-595705; 2001-607222; 2002-011177; 2002-041658;

2002-062159; 2002-082807; 2002-154357; 2002-163652; 2002-163681;

2002-179003; 2002-188040; 2002-205513; 2002-224088; 2002-226224;

2002-235400; 2002-236852; 2002-238406; 2002-238913; 2002-239839;

2002-254659; 2002-256143; 2002-268672; 2002-315095; 2002-361599;

2002-361694; 2002-370756; 2002-382444; 2002-391512; 2002-392708;

2002-393501; 2002-394013; 2002-403568; 2002-405083; 2002-413035;

2002-416925; 2002-435593; 2002-470507; 2002-479804; 2002-498079;

2002-498923; 2002-507125; 2002-508021; 2002-528507; 2002-528580;

2002-556177; 2002-598690; 2002-598923; 2002-617280; 2002-636862;

2002-642228; 2002-654787; 2002-672857; 2002-673567; 2002-691185;

2002-697772; 2003-045908; 2003-056645; 2003-057552; 2003-074123;

2003-090293; 2003-091652; 2003-137905; 2003-140183; 2003-174573;

2003-199024; 2003-219596; 2003-237888; 2003-238411; 2003-266622;

2003-268467; 2003-275465; 2003-327510; 2003-330044; 2003-331365;

2003-353776; 2003-362315; 2003-391983; 2003-392393; 2003-401297;

2003-418353; 2003-418436; 2003-419661; 2003-419904; 2003-465734;

2003-492022; 2003-557490; 2003-567053; 2003-577429; 2003-586979;

2003-587433; 2003-597620; 2003-615418; 2003-615425; 2003-655604;

2003-655616; 2003-655715; 2003-656012; 2003-658647; 2003-659691;

2003-687554; 2003-689852; 2003-707329; 2003-730410; 2003-767701;

2003-777048; 2003-800216; 2003-800961; 2003-802603; 2003-804783;

2003-829683; 2003-897231; 2004-031964; 2004-041644; 2004-059015;

2004-059948; 2004-070353; 2004-098221; 2004-119479; 2004-155399;

2004-179244; 2004-179245; 2004-303569; 2004-375604; 2004-386915;  
 2004-487761; 2004-624728; 2004-660515; 2004-698601; 2004-709696;  
 2004-795798; 2004-831629; 2005-031214; 2005-079360; 2005-110869;  
 2005-142700; 2005-171601; 2005-259866; 2005-261577; 2005-381648;  
 2005-432722; 2005-504460; 2005-521089; 2005-533060; 2005-617272;  
 2005-637818; 2005-655503; 2005-689292; 2005-700681; 2005-703000;  
 2005-776856; 2005-784522; 2005-793708; 2006-086183; 2006-115379;  
 2006-133346; 2006-134064; 2006-145508; 2006-163034; 2006-190576;  
 2006-190840; 2006-191970; 2006-250548; 2006-250572; 2006-298779;  
 2006-379466; 2006-391180; 2006-432149; 2006-453744; 2006-470060;  
 2006-478669; 2006-500679; 2006-520760; 2006-556380; 2006-575575;  
 2006-584741; 2006-584742; 2006-601010; 2006-634380; 2006-744559;  
 2007-007720

XRPX Acc No: N2003-052475

**Media content rights management method in internet, involves packaging identified media content in encrypted package and inking media content to usage rules through steganographic identifier**

Patent Assignee: DIGIMARC CORP (DIGI-N); HIATT R S (HIAT-I); LEVY K L (LEVY-I); RHOADS G B (RHOA-I)

Inventor: HIATT R S; LEVY K L; RHOADS G B

**Patent Family** (3 patents, 94 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2002086803	A1	20021031	WO 2002US12171	A	20020419	200306 B
US 20020186844	A1	20021212	US 2000256628	P	20001218	200306 E
			US 2001285514	P	20010420	
			US 2001315569	P	20010828	
			US 2001336209	P	20011030	
			US 200117679	A	20011213	
			US 2002126921	A	20020418	
AU 2002338460	A1	20021105	AU 2002338460	A	20020419	200433 E

Priority Applications (no., kind, date): US 2000256628 P 20001218; US 2001285514 P 20010420; US 2001315569 P 20010828; US 2001336209 P 20011030; US 200117679 A 20011213; US 2002126921 A 20020418

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2002086803	A1	EN	3	9	
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
US 20020186844	A1	EN			Related to Provisional US 2000256628
					Related to Provisional US 2001285514
					Related to Provisional US 2001315569
					Related to Provisional US 2001336209
					C-I-P of application US 200117679
AU 2002338460	A1	EN			Based on OPI patent WO 2002086803

#### Alerting Abstract WO A1

NOVELTY - The media content is identified with a steganographic identifier, by digital watermarking and packaged in an encrypted package. The media content is linked to the usage rules, stored in database server, through the steganographic identifier.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Rights management system;

- 2.Content distribution chain regulation method;
- 3.Distribution regulation method;
- 4.Distribution system; and
- 5.Content repackaging method.

USE - For performing right management of media content such as audio, **video**, images, **electronic data**, biometric information, graphics and design, electronic document, copyrighted materials of software multimedia content transmitted through internet, extranet, **web site**, intranet, LAN, WAN, wireless network or file transfer transactions.

ADVANTAGE - By linking media content with the usage rules, the copy protection information is allowed to be over-ridden, thereby enabling the sale or distribution of content to end- **users** and enabling the content owners to be properly paid and **users** to share content instead of merely **prohibiting use** of the content and harming the security of the DRM system.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart illustrating the content management.

**Title Terms/Index Terms/Additional Words:** MEDIUM; CONTENT; MANAGEMENT; METHOD; PACKAGE; IDENTIFY; ENCRYPTION; INK; RULE; THROUGH

#### Class Codes

International Classification (Main): G06K-009/00, **G06F-017/60**

(Additional/Secondary): **G06F-017/30**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0021/00 A I R 20060101

G06F-0021/00 C I R 20060101

US Classification, Issued: 380231000, 705052000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-D01; T01-J20B2A; T01-N01D1; W01-A06B5A; W01-A06C4

**19/5/14 (Item 14 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0012487931 - Drawing available

WPI ACC NO: 2002-435125/200246

XRPX Acc No: N2002-342535

**Digital shopping method using television, involves selecting item in displayed motion picture programming and linking viewer to website containing item information using recorded digital information about item**

Patent Assignee: DIGITAL NETWORK SHOPPING LLC (DIGI-N); ROBINSON M (ROBI-I); THOMAS J G (THOM-I)

Inventor: ROBINSON M; THOMAS J G

**Patent Family** (3 patents, 95 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
WO 2002025556	A1	20020328	WO 2001US29560	A	20010921	200246 B
AU 200192914	A	20020402	AU 200192914	A	20010921	200252 E
US 20040109087	A1	20040610	US 2000234128	P	20000921	200438 E
			WO 2001US29560	A	20010921	
			US 2003393608	A	20030321	

Priority Applications (no., kind, date): US 2003393608 A 20030321; WO 2001US29560 A 20010921; US 2000234128 P 20000921

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
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WO 2002025556	A1	EN	33	3	
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National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200192914	A	EN			
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Based on OPI patent WO 2002025556

US 20040109087	A1	EN			
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Related to Provisional US 2000234128

Continuation of application WO

2001US29560

**Alerting Abstract WO A1**

NOVELTY - A viewer electronically selects an item (16) such as garment, jewellery, hairstyle, cosmetic, worn by an actor in a motion picture in response to viewing the motion picture program on the television display. The viewer is linked to a **website** containing the item information using recorded digital information about the item.

DESCRIPTION - An INDEPENDENT CLAIM is also included for digital shopping apparatus.

USE - For digital shopping using television for on-line **selling** of goods and services.

ADVANTAGE - Non-commercial programming can be efficiently used to indirectly advertise goods or services and offer them for sale on-line. Programming may be distributed not only as a broadcast but also in the form of DVD disk, VHS tape, **MP3** or other storage format. Enables a viewer to determine the source or location of the goods or setting for sale using an electronic system deployed as a portion of the viewer's television viewing equipment.

DESCRIPTION OF DRAWINGS - The figure shows digital shopping apparatus.

16Items

**Title Terms/Index Terms/Additional Words:** DIGITAL; SHOPPING; METHOD; TELEVISION; SELECT; ITEM; DISPLAY; MOTION; PICTURE; PROGRAM; LINK; VIEW; CONTAIN; INFORMATION; RECORD

**Class Codes**

International Classification (Main): **G06F-017/60** , H04N-007/173

(Additional/Secondary): H04N-011/00, H04N-007/00, H04N-007/16

US Classification, Issued: 348461000, 348468000, 725135000, 725109000, 725112000, 725113000

File Segment: EPI;

DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-N01A2A; W02-F10E3

**19/5/15 (Item 15 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0012337822 - Drawing available

WPI ACC NO: 2002-279917/200232

Related WPI Acc No: 2001-450805

XRPX Acc No: N2002-218574

**Customized card/gift providing method e.g. for greeting card, involves selecting non-customized information stored in compact disk using customized code and displaying to user**

Patent Assignee: CD COUPON LLC (CDCO-N); GREGORY M STONE (STON-I)

Inventor: SIMPSON W S

**Patent Family** (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020019776	A1	20020214	US 199898570	P	19980831	200232 B
			US 1999377108	A	19990819	
US 6453300	B2	20020917	US 1999377108	A	19990819	200269 E

Priority Applications (no., kind, date): US 199898570 P 19980831; US 1999377108 A 19990819

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020019776	A1	EN	18	10	Related to Provisional US 199898570

**Alerting Abstract US A1**

**NOVELTY** - A customization code is generated using the data received from a sender, and is transmitted to a **user** along with the gift information. The non-customized information stored in a compact disk (62) along with a control program are selected using the customization code, and is displayed to the **user**.

**DESCRIPTION** - An **INDEPENDENT CLAIM** is also included for customized gift.

**USE** - For providing customized card/gift such as greeting cards e.g. birthday card, mother's day card and special occasion cards, gifts like gem/birthstone, birth flowers, cellphones, software, **movie**, **videos**, tickets, clothing, fashion products, cologne/perfumes, dining and small vacation packages, etc with information stored in compact disk (CD) e.g. CDROM, recordable CD, DVD, etc, to specified person through Internet.

**ADVANTAGE** - The gifts are easily and efficiently provided to the **user** and is customized by the **user** for a particular intended recipient. Thus, the CD for the recipient is personalized without the need to actually provide a custom CD.

**DESCRIPTION OF DRAWINGS** - The figure shows an exploded view of the instant gift/card providing device.

62 Compact disk

**Title Terms/Index Terms/Additional Words:** CUSTOMISATION; CARD; GIFT; METHOD ; GREETING; SELECT; NON; INFORMATION; STORAGE; COMPACT; DISC; CODE; DISPLAY; **USER**

**Class Codes**International Classification (Main): **G06F-017/60** , G06G-001/14

US Classification, Issued: 705022000, 705026000, 705026000, 700237000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-C01A; T01-N01A2A; T01-N01B9; T01-N01D1

**19/5/16 (Item 16 from file: 350)**

DIALOG(R) File 350: Derwent WPIX

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0012255423 - Drawing available

WPI ACC NO: 2002-195473/200225

XRPX Acc No: N2002-148551

**Virtual safe transaction server for electronic commerce over Internet,  
receives commands from emulator for performing transactions over networking  
using records in virtual smart card database**

Patent Assignee: CYBERUN CANADA CORP (CYBE-N); SARCANIN B (SARC-I)

Inventor: SARCANIN B

**Patent Family** (8 patents, 94 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001080190	A1	20011025	WO 2001CA504	A	20010417	200225 B
AU 200148198	A	20011030	AU 200148198	A	20010417	200225 E
CA 2305249	A1	20011014	CA 2305249	A	20000414	200225 E
EP 1272987	A1	20030108	EP 2001921084	A	20010417	200311 E
			WO 2001CA504	A	20010417	
US 20030145205	A1	20030731	WO 2001CA504	A	20010417	200354 E
			US 2002269033	A	20021011	
JP 2003531447	W	20031021	JP 2001577310	A	20010417	200373 E
			WO 2001CA504	A	20010417	
US 6941285	B2	20050906	WO 2001CA504	A	20010417	200558 E
			US 2002269033	A	20021011	
US 20050246292	A1	20051103	WO 2001CA504	A	20010417	200573 E
			US 2002269033	A	20021011	
			US 2005175767	A	20050706	

Priority Applications (no., kind, date): CA 2305249 A 20000414

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001080190	A1	EN	221	31	
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200148198	A	EN			Based on OPI patent WO 2001080190
CA 2305249	A1	EN			
EP 1272987	A1	EN			PCT Application WO 2001CA504 Based on OPI patent WO 2001080190
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
US 20030145205	A1	EN			Continuation of application WO 2001CA504
JP 2003531447	W	JA	311		PCT Application WO 2001CA504 Based on OPI patent WO 2001080190
US 6941285	B2	EN			Continuation of application WO 2001CA504
US 20050246292	A1	EN			Continuation of application WO 2001CA504
					Continuation of application US 2002269033
					Continuation of patent US 6941285

**Alerting Abstract** WO A1

NOVELTY - A virtual smart card database has records with a virtual card identification and a card value. An emulator receives commands of smart card (106) and processes the commands in connection with the database and a security module. A virtual card reader receives the commands for performing transactions over a network, using the records in the database.

DESCRIPTION - An INDEPENDENT CLAIM is also included for transaction performance method.



USE - For electronic commerce over Internet, intranets, extranets, enterprise networks.

ADVANTAGE - The **consumer** is allowed to initiate value on virtual smart cards from computer through Internet, thus high level of security is maintained.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of virtual safe system.

106 Smart card

**Title Terms/Index Terms/Additional Words:** VIRTUAL; SAFE; TRANSACTION; SERVE ; ELECTRONIC; RECEIVE; COMMAND; EMULATION; PERFORMANCE; RECORD; SMART; CARD; DATABASE

#### Class Codes

International Classification (Main): **G06F-017/60** , G07F-007/10, H04L-012/16, H04L-009/00

(Additional/Secondary): G06F-015/00, H04L-012/22, H04L-009/32

US Classification, Issued: 713172000, 705067000, 705075000, 705067000, 705067000, 705040000, 705041000, 705035000, 705079000, 713155000, 713159000, 713200000, 713201000, 235380000, 235382000, 235379000

File Segment: EPI;

DWPI Class: T01; T05

Manual Codes (EPI/S-X): T01-F05G3; T01-H01B3A; T01-J05B4P; T01-N01A1; T01-N01A2A; T05-H02C5C; T05-L02

**19/5/17 (Item 17 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0011208472 - Drawing available

WPI ACC NO: 2002-147238/200219

Related WPI Acc No: 2001-625220; 2002-105854

XRPX Acc No: N2002-111643

**Electronic commerce transaction using Internet telephone, involves identifying customer based on input received through telephone network using voice portal and forwarding customer request to vendor through Internet**

Patent Assignee: TELLME NETWORKS INC (TELL-N)

Inventor: BRATHWAITE R S; DAVIS A M; GIANNANDREA J; KOH E; MCCUE M S; PARTOVI H; PORTER B W; SCOTT A; WALTHER E

**Patent Family** (2 patents, 91 countries)

Patent		Application		Update	
Number	Kind Date	Number	Kind Date	Update	
WO 2001029742	A2 20010426	WO 2000US41447	A 20001019	200219	B
AU 200126157	A 20010430	AU 200126157	A 20001019	200219	E

Priority Applications (no., kind, date): US 1999426102 A 19991022; US 1999466236 A 19991217

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001029742	A2	EN	66	6	

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200126157

A EN

Based on OPI patent

WO 2001029742 ,

**Alerting Abstract WO A2**

NOVELTY - The **customer** profile is identified from preregistered personalized data in shared database (112), using voice portal (110). The received **purchase** request from telephones (100,101) is forwarded to vendor terminal (102), via Internet (106). Response of vendor is forwarded to **customer** telephone and product **purchase** and sale confirmation from **customer** and vendor are received and transaction is performed.

DESCRIPTION - The **purchase** request from **customer** is received from telephones (100,101) through telephone network (104). INDEPENDENT CLAIMS are also included for the following:

- 1.Computer system for electronic commerce transaction;
- 2.Placing order for product using Internet telephone;
- 3.Customer personalized information registration method

USE - For purchase of goods/services through Internet telephone e.g. for **obtaining** lottery results, navigation information, weather report, show time of events, movie, traffic report, yellow page listings and for purchase of **airline** ticket, movie ticket, **audio** CD by identifying **customer** using voice portals.

ADVANTAGE - The pre registration of user's personalized information and using voice portal, eliminates need **for** repeatedly collect the information every time the transaction is performed.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of system used for providing personalized information of customer.

100,101 Telephones  
102 Vendor terminal  
104 Telephone network  
106 Internet  
110 Voice portal  
112 Database

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; TRANSACTION; TELEPHONE; IDENTIFY; **CUSTOMER** ; BASED; INPUT; RECEIVE; THROUGH; NETWORK; VOICE; PORTAL; FORWARDING; REQUEST; VENDING

**Class Codes**

International Classification (Main): **G06F-017/60**  
(Additional/Secondary): H04L-029/06

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A03B; W01-A06B7; W01-A06E1; W01-A06G2;  
W01-C05B3; W01-C05B5C

**19/5/18 (Item 18 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0011126221 - Drawing available

WPI ACC NO: 2002-062589/200208

XRPX Acc No: N2002-046458

Consumer **product promotion over the Internet** using **unique product package numbers** to allow a user to access a web site and play in an **Internet game offered there**

Patent Assignee: INT CUP CORP (ITCU-N); ROGAN A K J (ROGA-I); WATKINS J D (WATK-I)

Inventor: ROGAN A K J; WATKINS J D

**Patent Family** (3 patents, 93 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001091009	A1	20011129	WO 2001US16643	A	20010523	200208 B
US 20010056372	A1	20011227	US 2000206573	P	20000523	200208 E
			US 2001864086	A	20010523	
AU 200166595	A	20011203	AU 200166595	A	20010523	200221 E

Priority Applications (no., kind, date): US 2001864086 A 20010523; US 2000206573 P 20000523

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001091009	A1	EN	32	6	
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
US 20010056372	A1	EN			Related to Provisional US 2000206573
AU 200166595	A	EN			Based on OPI patent WO 2001091009

#### Alerting Abstract WO A1

NOVELTY - A package ID number is set for packages (303) and stored in a database (305). A cross-reference to universal product codes is set (307) and stored in a database (309). A **web site** presents an Internet **game** (311) and a **consumer** presents the number at the **web site** (313). The number format is checked (315) for **user** access (321). The number is stored in a database so that it cannot be used again (327).

DESCRIPTION - Rewards are given according to the **game** outcome (329) and the **consumer** can continue with a new number or end (331).

INDEPENDENT CLAIMS are included for a system for **consumer** product promotion and for a computer readable product with instructions.

USE - **Consumer** product promotion through the Internet.

ADVANTAGE - Providing attractive promotion and generating sales.

DESCRIPTION OF DRAWINGS - The drawing is a flow chart of the method.

**Title Terms/Index Terms/Additional Words:** CONSUME; PRODUCT; PROMOTE; UNIQUE ; PACKAGE; NUMBER; ALLOW; **USER** ; ACCESS; WEB; SITE; PLAY; **GAME** ; OFFER

#### Class Codes

International Classification (Main): **G06F-017/60**

(Additional/Secondary): A63F-009/24

US Classification, Issued: 705014000

File Segment: EngPI; EPI;

DWPI Class: T01; P36

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2C; T01-N01B1; T01-S03

**19/5/19 (Item 19 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0010934141 - Drawing available

WPI ACC NO: 2001-556371/200162

XRPX Acc No: N2001-413351

**Musical piece searching method for searching songs by melodies in sound files, involves selecting musical piece of closest match with specific pitch value from the stored melodies, in database**

Patent Assignee: SONY CORP (SONY); SONY ELECTRONICS INC (SONY)

Inventor: IWAMURA R

**Patent Family** (3 patents, 92 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 6188010	B1	20010213	US 1999429260	A	19991029	200162 B
AU 200122985	A	20010508	AU 200122985	A	20001020	200162 E
WO 2001031513	A2	20010503	WO 2000US41405	A	20001020	200162 E

Priority Applications (no., kind, date): US 1999429260 A 19991029

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6188010	B1	EN	16	14	
AU 200122985	A	EN			Based on OPI patent WO 2001031513
WO 2001031513	A2	EN			

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

**Alerting Abstract US B1**

**NOVELTY** - The received note information, representing the melody provided by **user** is converted into series of values, corresponding to each received information. The relative pitch value from the series of values is calculated and is compared with the stored pitch values in database. The musical piece having closest match is selected based on the comparison with stored melodies.

**USE** - For use as mechanism to enable the search of **songs** by the melodies in sound files such as MIDI files and for **purchasing** of CD or tape.

**ADVANTAGE** - Search speed increases because relative pitch data is used and as no key shift is required to compare with each reference melody. No restriction on incomplete input as the entered melody is shifted based on peak note in the melody. Provides very useful, **user**-friendly and fast mechanism to search **music**. An original absolute pitch data is stored without modification. Flexibility on search area is provided as the two peaks are in the melody in order to overcome the testing of non-repeated pattern entered by the **user**.

**DESCRIPTION OF DRAWINGS** - The figure shows piano roll grid on which a melody is entered.

**Title Terms/Index Terms/Additional Words:** **MUSIC**; **PIECE**; **SEARCH**; **METHOD**; **MELODY**; **SOUND**; **FILE**; **SELECT**; **CLOSELY**; **MATCH**; **SPECIFIC**; **PITCH**; **VALUE**; **STORAGE**; **DATABASE**

**Class Codes**International Classification (Main): **G06F-017/30**, **G09B-015/04**(Additional/Secondary): **G10H-001/26**

US Classification, Issued: 084609000, 084477000

File Segment: EngPI; EPI;

DWPI Class: T01; W04; P85; P86

Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4P; W04-U04A

19/5/20 (Item 20 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0010793180 - Drawing available  
 WPI ACC NO: 2001-408726/200143  
 XRPX Acc No: N2001-302458

**Method for allowing selection of filtering criteria during search on network by searching for information relating to search query on network while excluding portions of information based on selected filters to generate result**

Patent Assignee: ACCENTURE LLP (ACCE-N)  
 Inventor: HUGHES L P

**Patent Family** (3 patents, 82 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001046868	A2	20010628	WO 2000US35257	A	20001222	200143 B
AU 200125980	A	20010703	AU 200125980	A	20001222	200164 E
EP 1415245	A2	20040506	EP 2000989480	A	20001222	200430 E
			WO 2000US35257	A	20001222	

Priority Applications (no., kind, date): US 1999471466 A 19991222; US 1999470294 A 19991222; US 1999470214 A 19991222; US 1999469402 A 19991222; US 1999469401 A 19991222

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001046868	A2	EN	146	45	
National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200125980	A	EN			Based on OPI patent WO 2001046868
EP 1415245	A2	EN			PCT Application WO 2000US35257
					Based on OPI patent WO 2001046868
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR					

#### Alerting Abstract WO A2

NOVELTY - A query field is displayed for entering a search query that is received in the query field. A number of filters applicable during a search on the network are presented for selecting of at least one of the filters. An information search is related to the search query on the network. Portions of the information may be excluded based on the selected filters to generate a result, which are then outputted.

DESCRIPTION - INDEPENDENT CLAIMS are included for:

- 1.a computer program embodied on a computer readable medium
- 2.a system for allowing selection of filtering criteria during search on a network
- 3.a method for limiting sources in which a search is conducted on a network
- 4.a method of presenting a search results
- 5.a method of removing irrelevant information from a search result

## 6.a method of expiring a page on a network

USE - In agent based systems that allow selection of filtering criteria during a search utilizing a network and performing a large number of tasks on behalf of a user.

ADVANTAGE - Makes possible airline reservation, purchase the ticket, and have the ticket delivered directly to a user. Can scan the Internet and obtain information ranging from the latest sports or news to a particular graduate thesis in applied physics. Provides targeted acquisition of background information for a user's upcoming events.

DESCRIPTION OF DRAWINGS - The drawing shows a flowchart of the process for reducing an amount of unnecessary information presented to user in accordance with the present invention.

**Title Terms/Index Terms/Additional Words:** METHOD; ALLOW; SELECT; FILTER; CRITERIA; SEARCH; NETWORK; INFORMATION; RELATED; QUERY; EXCLUDE; PORTION; BASED; GENERATE; RESULT

**Class Codes**

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H07C3C; T01-J05B3; T01-S01C; T01-S03

**19/5/21 (Item 21 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0010460882 - Drawing available

WPI ACC NO: 2001-060399/200107

XRPX Acc No: N2001-045197

**Universal music player e.g. WinAmp, Liquid Audio, has playback activator which activates appropriate playback software to play the loaded media object file corresponding to selected media object**

Patent Assignee: ROCK.COM INC (ROCK-N)

Inventor: FRANCO J; LUNDGREN M G; SHEEHAN J K

**Patent Family** (2 patents, 87 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
WO 2000054187	A1	20000914	WO 2000US6188	A	20000308	200107 B
AU 200038733	A	20000928	AU 200038733	A	20000308	200107 E

Priority Applications (no., kind, date): US 1999128364 P 19990408; US 1999123520 P 19990308; US 1999154669 P 19990916

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
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WO 2000054187	A1	EN	71	17	
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National Designated States, Original: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200038733	A	EN			Based on OPI patent WO 2000054187
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**Alerting Abstract WO A1**

NOVELTY - An animator loads selected media object to virtual media

player, with respect to **user** 's command. A loader loads media object file corresponding to selected media object. A playback activator selects appropriate playback software for loaded file's format, and activates it to play loaded media object file.

DESCRIPTION - A virtual player emulates the physical media player. A media object e.g. CD display displays the CD information owned by **user** or accessible to the **user**. INDEPENDENT CLAIMS are also included for the following:

- 1.media object files maintaining and playing method;
- 2.computer system for downloading media object file;
- 3.media object file compilation method;
- 4.computer program for identifying physical media object

USE - Universal musical player e.g. WinAmp, Liquid Audio, for downloading songs into CD from Internet.

ADVANTAGE - The virtual rack holds the media object accessible by user, from which the user can select desired media object to listen **the** music. All user' s music and music related activities are merged at **single** unified **interface**, which **provides** fun, **inviting** and easy-to-use multimedia music experience. The same method is also utilized for video and other **media** representation. By providing the playback activator, the appropriate **playback** software is activated and the loaded media object file is played appropriately.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of universal music player.

**Title Terms/Index Terms/Additional Words:** UNIVERSAL; **MUSIC**; PLAY; LIQUID; AUDIO; PLAYBACK; ACTIVATE; APPROPRIATE; SOFTWARE; LOAD; MEDIUM; OBJECT; FILE; CORRESPOND; SELECT

#### Class Codes

International Classification (Main): **G06F-017/30**

File Segment: EPI;

DWPI Class: T01; W01; W02; W04

Manual Codes (EPI/S-X): T01-H07C3A; T01-H07C5E; W01-A06B7; W02-F10C; W04-C10A; W04-K

**19/5/22 (Item 22 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0010370417 - Drawing available

WPI ACC NO: 2000-686533/200067

XRPX Acc No: N2000-507584

**Electronic book system connected to internet, activates links between components of digital data stored in electronic books and database located at internet web site**

Patent Assignee: DISCOVERY COMMUNICATIONS INC (DISC-N)

Inventor: ASMUSSEN M L; HENDRICKS J S

**Patent Family** (6 patents, 87 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2000045299	A2	20000803	WO 2000US1625	A	20000127	200067 B
AU 200032130	A	20000818	AU 200032130	A	20000127	200067 E

EP 1149350	A2	20011031	EP 2000909958	A	20000127	200172	E
			WO 2000US1625	A	20000127		
EP 1172739	A2	20020116	EP 2000909958	A	20000127	200207	E
			EP 2001121918	A	20000127		
JP 2002540490	W	20021126	JP 2000596487	A	20000127	200307	E
			WO 2000US1625	A	20000127		
MX 2001007581	A1	20030701	WO 2000US1625	A	20000127	200420	E
			MX 20017581	A	20010726		

Priority Applications (no., kind, date): US 1999237828 A 19990127

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 2000045299	A2	EN	94	22		
National Designated States, Original: AE AL AM AT AU AZ BA BB BG BR BY CA						
CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE						
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU						
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW						
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH						
GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW						
AU 200032130	A	EN			Based on OPI patent	WO 2000045299
EP 1149350	A2	EN			PCT Application	WO 2000US1625
					Based on OPI patent	WO 2000045299
Regional Designated States, Original: AT BE CH CY DE DK ES FI FR GB GR IE						
IT LI LU MC NL PT SE						
EP 1172739	A2	EN			Division of application	EP 2000909958
					Division of patent	EP 1149350
Regional Designated States, Original: AT BE CH CY DE DK ES FI FR GB GR IE						
IT LI LU MC NL PT SE						
JP 2002540490	W	JA	129		PCT Application	WO 2000US1625
					Based on OPI patent	WO 2000045299
MX 2001007581	A1	ES			PCT Application	WO 2000US1625
					Based on OPI patent	WO 2000045299

#### Alerting Abstract WO A2

NOVELTY - Components of **digital data** is stored in electronic book and database located at internet **web site** or operation center. Links between the components of **digital data** are activated.

DESCRIPTION - The electronic book includes main portion and one or more of index, table of contents and glossary. The electronic book stored in database at the internet **web site**, is the dictionary, foreign language dictionary or technical dictionary. Stored electronic notebook can be delivered by transmission over plain old telephone system, cable television system, wireless telephone system, digital satellite television system, fiber optic system, ethernet and wireless television system. INDEPENDENT CLAIMS are also included for the following:

1. electronic files linking method;
2. electronic link usage method

USE - Electronic book system is connected to internet and telephone network, digital satellite television system, CATV system, fiber optic system, ethernet, wireless TV system, for delivering electronic books to book stores, public libraries, schools and consumers.

ADVANTAGE - Purchase of electronic book can become **\*\*PAY-PER- READ\*\*** event avoiding the overhead, middlemen, printing costs and time delay associated with current book distribution system. Uses high bandwidth data transmissions strong security measures, sophisticated digital switching, high resolution visual displays, novel controls and user friendly interface



software. Use of index value allows components to maintain links with other components even if electronic book is altered. changing of font size does not affect status of links and cutting and pasting does not affect status of components.

DESCRIPTION OF DRAWINGS - The figure shows the schematic view of links sub-menu.

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; BOOK; SYSTEM; CONNECT ; ACTIVATE; LINK; COMPONENT; DIGITAL; DATA; STORAGE; DATABASE; LOCATE; WEB; SITE

#### Class Codes

International Classification (Main): G06F-012/00, **G06F-017/30**  
 (Additional/Secondary): G06F-013/00, **G06F-017/60** , G06F-019/00  
 File Segment: EPI;  
 DWPI Class: T01  
 Manual Codes (EPI/S-X): T01-H07C3C; T01-J05B4P; T01-J11C1

**19/5/23 (Item 23 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0010363143 - Drawing available

WPI ACC NO: 2000-679020/200066

Related WPI Acc No: 2001-464546; 2005-617226

XRPX Acc No: N2000-502678

Electronic musical content distributing method involves enabling usage of delivered content by consumer , based on established permit of usage of requested content

Patent Assignee: UNIVERSAL MUSIC GROUP (UVMU-N); UNIVERSAL MUSIC GROUP INC. (UVMU-N)

Inventor: GALUTEN A; RADBEL D; WILLIAMS P

**Patent Family** (4 patents, 88 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
WO 2000039733	A1	20000706	WO 1999US30848	A	19991223	200066 B
AU 200023860	A	20000731	AU 200023860	A	19991223	200066 E
EP 1192575	A1	20020403	EP 1999967600	A	19991223	200230 E
			WO 1999US30848	A	19991223	
JP 2002539466	W	20021119	WO 1999US30848	A	19991223	200281 E
			JP 2000591559	A	19991223	

Priority Applications (no., kind, date): US 1998113861 P 19981224; US 1999127260 P 19990331

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2000039733	A1	EN	90	14	

National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200023860 A EN Based on OPI patent WO 2000039733

EP 1192575 A1 EN PCT Application WO 1999US30848

Based on OPI patent WO 2000039733

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

JP 2002539466 W JA 96

PCT Application WO 1999US30848  
Based on OPI patent WO 2000039733**Alerting Abstract WO A1**

NOVELTY - A **music** content request is received from **consumer** by a retail **website** (112). **Permission** to **use** the requested content is established, based on which the requested content is delivered to **consumer** by a delivery service module (118). Based on the established **permission**, the **usage** of delivered content by the **consumer** is enabled and monitored.

DESCRIPTION - An INDEPENDENT CLAIM is also included for electronic **music** distribution system.

USE - For distribution of musical content such as lyrics, **videos**, interviews and other audio, audiovisual, textual and graphical data.

ADVANTAGE - Facilitates distribution of media to **consumer** over the network, while achieving commercial business objectives and protecting the property rights of media being distributed. Maintains the content in secure or tamper resistant format separate from offers in the same format.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of arrangement of modules for distribution of musical content.

112 **Website**

118 Delivery service module

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; **MUSIC**; CONTENT; DISTRIBUTE; METHOD; ENABLE; DELIVER; CONSUME; BASED; ESTABLISH; PERMIT; REQUEST

**Class Codes**

International Classification (Main): **G06F-017/60**, G10K-015/02  
(Additional/Secondary): G07F-017/00, G07F-017/40

File Segment: EngPI; EPI;

DWPI Class: T01; W04; P86

Manual Codes (EPI/S-X): T01-H07C3A; T01-H07C5A; W04-G01L

**19/5/24 (Item 24 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0009581622 - Drawing available

WPI ACC NO: 1999-529466/199945

XRPX Acc No: N1999-392339

**Cyber mail system for electronic sales that allows repeated access for the purchaser**

Patent Assignee: HITACHI LTD (HITA)

Inventor: KIMURA T; KOIKE H; NAMIOKA M; OKAYAMA M; OKAYAMA N

**Patent Family** (9 patents, 29 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 935209	A2	19990811	EP 1999300861	A	19990205	199945 B
JP 11224288	A	19990817	JP 199825356	A	19980206	199945 E
CA 2260536	A1	19990806	CA 2260536	A	19990201	200004 E
SG 75914	A1	20001024	SG 1999325	A	19990202	200060 E
US 6263318	B1	20010717	US 1999244050	A	19990204	200142 E
US 20040177043	A1	20040909	US 2000618552	A	20000717	200459 E
			US 2004799653	A	20040315	
JP 2006107516	A	20060420	JP 199825356	A	19980206	200627 E
			JP 2005293125	A	20051006	
EP 935209	B1	20061129	EP 1999300861	A	19990205	200680 E

DE 69934155 E 20070111 DE 69934155 A 19990205 200706 E  
EP 1999300861 A 19990205

Priority Applications (no., kind, date): JP 199825356 A 19980206; EP  
1999300861 A 19990205; JP 2005293125 A 20051006

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 935209	A2	EN	40	38	
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 11224288	A	JA	26		
CA 2260536	A1	EN			
SG 75914	A1	EN			
US 20040177043	A1	EN			Continuation of application US 2000618552
JP 2006107516	A	JA	29		Division of application JP 199825356

EP 935209 B1 EN

Regional Designated States, Original: DE FR GB

DE 69934155 E DE Application EP 1999300861  
Based on OPI patent EP 935209

**Alerting Abstract EP A2**

NOVELTY - The system covers circumstances where items are **purchased** over the Internet that require either a **download** of **data** to the **purchaser** or give the **purchaser** access to a **page** through a browser. At time of **purchase** personal **using conditions** are generated. If then a **repeat download** is requested because of earlier delivery failure then as long as the **using conditions** remain valid the data is **again delivered** without a repeat charge to the **customer**.

USE - Electronic **purchases** over the Internet.

ADVANTAGE - Automatic cover for delivery failure. Does not a generalized repeat access limit or time period default condition. No need to reenter **customer** details or enter special command to cancel double charging.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of a cyber mail with the personal **using conditions** incorporated

130 **Customer** terminal and data details

110 Internet cyber mail server

100 Data provider

**Title Terms/Index Terms/Additional Words:** MAIL; SYSTEM; ELECTRONIC; SALE;  
ALLOW; REPEAT; ACCESS; **PURCHASE**

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

B65G-0061/00	A	I	L	R	20060101
G06F-0001/00	A	I	L	B	20060101
G06F-0013/00	A	I	L	R	20060101
G06F-0015/00	A	I	F	R	20060101
G06F-0017/30	A	I	L	B	20060101
<b>G06Q-0030/00</b>	A	I		R	20060101
<b>G06Q-0030/00</b>	A	I	F	B	20060101
<b>G06Q-0050/00</b>	A	I	L	R	20060101
H04L-0029/06	A	I	L	B	20060101
B65G-0061/00	C	I	L	R	20060101
G06F-0001/00	C	I	L	B	20060101
G06F-0013/00	C	I	L	R	20060101
G06F-0015/00	C	I	F	R	20060101
G06F-0017/30	C	I	L	B	20060101

G06Q-0030/00 C I R 20060101  
 G06Q-0030/00 C I L B 20060101  
 G06Q-0050/00 C I L R 20060101  
 H04L-0029/06 C I L B 20060101  
 US Classification, Issued: 705051000, 705027000, 705014000, 705020000,  
 705026000, 705027000, 705044000

File Segment: EPI;  
 DWPI Class: T01; T05; W01  
 Manual Codes (EPI/S-X): T01-H07C5E; T01-J05A1; T01-J11C; T05-L02; W01-A06B7  
 ; W01-C05B3C

19/5/25 (Item 25 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0009410371 - Drawing available  
 WPI ACC NO: 1999-347215/199929  
 Related WPI Acc No: 1999-009896; 1999-370650; 2003-646432; 2005-433356  
 XRPX Acc No: N1999-259626

**Automotive service equipment system for diagnosing vehicle components**

Patent Assignee: BAIRD M (BAIR-I); CARROLL A (CARR-I); DE BELLEFEUILLE J  
 (DBEL-I); GIBBS J (GIBB-I); GILL G M (GILL-I); KLING M (KLIN-I);  
 MCAULIFFE B (MCAU-I); O'SULLIVAN B (OSUL-I); ROGERS S W (ROGE-I);  
 SNAP-ON TECHNOLOGIES INC (SNAP-N)

Inventor: BAIRD M; BAIRD M L; BELLEUILLE J D; CARROLL A; DE BELLEFEUILLE J;  
 DE BELLEUILLE J; GIBBS J; GILL G M; KLING M; KLING M J; MCAULIFFE B;  
 O'SULLIVAN B; ROGERS S W

**Patent Family** (15 patents, 77 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1999023783	A2	19990514	WO 1998US22314	A	19981022	199929 B
AU 199911118	A	19990524	AU 199911118	A	19981022	199940 E
EP 1027792	A2	20000816	EP 1998953853	A	19981022	200040 E
			WO 1998US22314	A	19981022	
US 20010007086	A1	20010705	US 1997857725	A	19970516	200139 E
			US 1997962023	A	19971031	
KR 2001031683	A	20010416	KR 2000704744	A	20000501	200163 E
JP 2001522112	W	20011113	WO 1998US22314	A	19981022	200204 E
			JP 2000519522	A	19981022	
US 6405111	B2	20020611	US 1997857725	A	19970516	200244 E
			US 1997962023	A	19971031	
US 20020143446	A1	20021003	US 1997857725	A	19970516	200267 E
			US 1997962023	A	19971031	
			US 2002151942	A	20020522	
AU 756973	B	20030130	AU 199911118	A	19981022	200319 E
US 6564128	B2	20030513	US 1997857725	A	19970516	200335 E
			US 1997962023	A	19971031	
			US 2002151942	A	20020522	
US 20030097211	A1	20030522	US 1997857725	A	19970516	200336 E
			US 1997962023	A	19971031	
			US 200266795	A	20020206	
US 6560516	B1	20030506	US 1997857725	A	19970516	200338 E
			US 1997962023	A	19971031	
			US 200254793	A	20020125	
EP 1027792	B1	20040102	EP 1998953853	A	19981022	200406 E
			WO 1998US22314	A	19981022	
DE 69820900	E	20040205	DE 69820900	A	19981022	200418 E
			EP 1998953853	A	19981022	
			WO 1998US22314	A	19981022	

EP 1427165	A2	20040609	EP 1998953853	A	19981022	200438	E
			EP 200330023	A	19981022		

Priority Applications (no., kind, date): US 2002151942 A 20020522; US 200266795 A 20020206; US 200254793 A 20020125; US 1997857725 A 19970516; US 1997962023 A 19971031

## Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1999023783	A2	EN	30	6	
National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 199911118	A	EN			Based on OPI patent WO 1999023783
EP 1027792	A2	EN			PCT Application WO 1998US22314
					Based on OPI patent WO 1999023783
Regional Designated States,Original: DE FR IT					
US 20010007086	A1	EN			C-I-P of application US 1997857725
JP 2001522112	W	JA	43		PCT Application WO 1998US22314
					Based on OPI patent WO 1999023783
US 6405111	B2	EN			C-I-P of application US 1997857725
US 20020143446	A1	EN			C-I-P of application US 1997857725
					Division of application US 1997962023
					C-I-P of patent US 6285932
					Division of patent US 6405111
AU 756973	B	EN			Previously issued patent AU 9911118
					Based on OPI patent WO 1999023783
US 6564128	B2	EN			C-I-P of application US 1997857725
					Division of application US 1997962023
					C-I-P of patent US 6285932
					Division of patent US 6405111
US 20030097211	A1	EN			C-I-P of application US 1997857725
1997962023					Continuation of application US
					C-I-P of patent US 6285932
					Continuation of patent US 6405111
US 6560516	B1	EN			C-I-P of application US 1997857725
1997962023					Continuation of application US
					C-I-P of patent US 6285932
					Continuation of patent US 6405111
EP 1027792	B1	EN			PCT Application WO 1998US22314
					Based on OPI patent WO 1999023783
Regional Designated States,Original: DE FR IT					
DE 69820900	E	DE			Application EP 1998953853
					PCT Application WO 1998US22314
					Based on OPI patent EP 1027792
					Based on OPI patent WO 1999023783
EP 1427165	A2	EN			Division of application EP 1998953853
					Division of patent EP 1027792
Regional Designated States,Original: DE FR IT					

Alerting Abstract WO A2

NOVELTY - The system has a measurement device coupled to a data input

controller and providing signals to the controller representative of a vehicle diagnostic state. The controller has a microprocessor with a memory and an output device coupled to the memory. A networked controller has a second microprocessor and second memory. The first microprocessor accesses the second memory through the second microprocessor over a data transmission network to convert the signals into an output at the output device indicative of the vehicle diagnostic state.

DESCRIPTION - INDEPENDENT CLAIMS are included for a computerized wheel alignment system and a web browser/server system for use as a diagnostic wheel alignment service system.

USE - For diagnosing automotive components over internet using software and programming languages.

ADVANTAGE - Can be easily and inexpensively modified and maintained through the use of software objects. Updated vehicle operating specifications may be accessed over the internet and conveniently applied by the automotive service software application. Service equipment of different kinds may communicate with each other.

DESCRIPTION OF DRAWINGS - The figure shows schematic block diagram of the system.

**Title Terms/Index Terms/Additional Words:** AUTOMOTIVE; SERVICE; EQUIPMENT; SYSTEM; DIAGNOSE; VEHICLE; COMPONENT

#### Class Codes

International Classification (Main): G06F-017/00, **G06F-017/60**,  
G06F-019/00, H04L-012/00, H04L-029/06  
(Additional/Secondary): B60S-005/00, B67D-005/08, G01M-017/00, G07C-005/00  
US Classification, Issued: 701033000, 707010000, 701033000, 701029000,  
340438000, 701033000, 701033000, 701029000, 709200000, 701023000,  
701035000, 709217000, 709303000, 701033000, 701029000, 701035000,  
709217000, 709219000

File Segment: EngPI; EPI;

DWPI Class: S02; T01; W01; Q17; Q39

Manual Codes (EPI/S-X): S02-J02A; S02-J02B; S02-J02X; T01-F07; T01-H07C5E;  
T01-J05B; T01-J07A3; T01-J11C1; T01-M02A1B; W01-A06B7; W01-A07H

**19/5/26 (Item 26 from file: 350)**

DIALOG(R) File 350: Derwent WPIX

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0008968332 - Drawing available

WPI ACC NO: 1998-521597/199844

XRPX Acc No: N1998-407359

**Gaming card for telephone operation of forecasting games - has cards with identity number and matrix of game numbers that are provided via telephone to place stake and receive stake code**

Patent Assignee: TELECOM ITAL SPA (TELE-N)

Inventor: GIOVANNELLA F

**Patent Family** (6 patents, 79 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1998042117	A1	19980924	WO 1998IT65	A	19980320	199844 B
AU 199867459	A	19981012	AU 199867459	A	19980320	199907 E
EP 988743	A1	20000329	EP 1998912700	A	19980320	200020 E
			WO 1998IT65	A	19980320	
IT 1297051	B	19990803	IT 1997RM353	A	19970613	200169 E
EP 988743	B1	20021023	EP 1998912700	A	19980320	200277 E
			WO 1998IT65	A	19980320	
DE 69808907	E	20021128	DE 69808907	A	19980320	200303 E

EP 1998912700 A 19980320  
 WO 1998IT65 A 19980320

Priority Applications (no., kind, date): IT 1997RM353 A 19970613

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998042117	A1	EN	30	1	
National Designated States, Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW					
Regional Designated States, Original: AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 199867459	A	EN			Based on OPI patent WO 1998042117
EP 988743	A1	EN			PCT Application WO 1998IT65 Based on OPI patent WO 1998042117
Regional Designated States, Original: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
EP 988743	B1	EN			PCT Application WO 1998IT65 Based on OPI patent WO 1998042117
Regional Designated States, Original: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
DE 69808907	E	DE			Application EP 1998912700 PCT Application WO 1998IT65 Based on OPI patent EP 988743 Based on OPI patent WO 1998042117

#### Alerting Abstract WO A1

The gaming system allows the **user** to **purchase** prepaid cards and use the codes on them to place stakes by telephone. The card has a sequential number (1) that is visible. It also has an identification number (2) that can be uncovered by the **user**. A matrix (3) of disposable codes are covered by material that can be scraped off. A final code (4) is hidden by a film and has a warning that it must not be exposed.

The **user** calls a service centre and an automated process **using** voice and/or key responses **allows** a stake to be made against one of the matrix codes. A security number is provided. When a win occurs the hidden code is revealed for security purposes.

ADVANTAGE - Provides a card with a number set that allows telephone gaming while retaining security levels.

**Title Terms/Index Terms/Additional Words:** **GAME** ; CARD; TELEPHONE; OPERATE; FORECAST; IDENTIFY; NUMBER; MATRIX; PLACE; STAKE; RECEIVE; CODE

#### Class Codes

International Classification (Main): H04M, H04M-003/50  
 (Additional/Secondary): G07F-017/32, **G07F-007/00**

File Segment: EPI;

DWPI Class: T05; W01

Manual Codes (EPI/S-X): T05-D01A; T05-F; T05-H05E; T05-L03C; W01-C02B4

19/5/27 (Item 27 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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0007867174 - Drawing available

WPI ACC NO: 1996-497944/199649

Related WPI Acc No: 1997-051367; 1997-052734; 1998-077503; 1998-413376;  
 2002-470876; 2002-487916; 2002-535664; 2002-626458; 2003-137918;  
 2003-660190; 2003-688089; 2003-696233; 2003-696234; 2003-696235;  
 2004-651256

XRPX Acc No: N1996-419881

**Electronic television programme guide schedule system - has video display generator controlled in response to user control commands to indicate availability of product or service associated with certain programs**

Patent Assignee: DAVIS B (DAVI-I); ELLIS M D (ELLI-I); KNUDSON E B (KNUD-I); MILLER L (MILL-I); NEWS AMERICA PUBLICATIONS INC (NEWS-N); TELECOM COLORADO (TELE-N); TELECOM COLORADO INC (TELE-N); TV GUIDE ON SCREEN (TVGU-N); UNITED VIDEO PROPERTIES INC (UNVI-N)

Inventor: DAVIS B; ELLIS D; ELLIS M; ELLIS M D; KNUDSON E; KNUDSON E B; MILLER L

**Patent Family** (36 patents, 26 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1996034491	A1	19961031	WO 1996US5729	A	19960424	199649 B
AU 199655729	A	19961118	AU 199655729	A	19960424	199710 E
EP 823179	A1	19980211	EP 1996913121	A	19960424	199811 E
			WO 1996US5729	A	19960424	
BR 199608005	A	19990105	BR 19968005	A	19960424	199907 E
			WO 1996US5729	A	19960424	
JP 11501481	W	19990202	JP 1996532681	A	19960424	199915 E
			WO 1996US5729	A	19960424	
AU 712344	B	19991104	AU 199655729	A	19960424	200003 E
KR 1999008006	A	19990125	WO 1996US5729	A	19960424	200014 E
			KR 1997707530	A	19971024	
AU 200014923	A	20000413	AU 199655729	A	19960424	200028 NCE
			AU 200014923	A	20000204	
AU 727344	B	20001214	AU 199655729	A	19960424	200103 NCE
			AU 200014923	A	20000204	
US 6275268	B1	20010814	US 1993119367	A	19930909	200148 E
			US 1994247101	A	19940520	
			US 1995428809	A	19950424	
			US 1999368198	A	19990804	
US 6357043	B1	20020312	US 1993119367	A	19930909	200221 E
			US 1994247101	A	19940520	
			US 1995428809	A	19950424	
			US 1999368198	A	19990804	
			US 1999428588	A	19991027	
			US 2000604326	A	20000626	
KR 293082	B	20010917	WO 1996US5729	A	19960424	200231 E
			KR 1997707530	A	19971024	
JP 2002185951	A	20020628	JP 1996532681	A	19960424	200258 E
			JP 2001297745	A	19960424	
CA 2413051	A1	19961031	CA 2218993	A	19960424	200323 E
			CA 2413051	A	19960424	
CA 2218993	C	20030218	CA 2218993	A	19960424	200327 E
			WO 1996US5729	A	19960424	
US 20030177498	A1	20030918	US 1995428809	A	19950424	200362 E
			US 1999368198	A	19990804	
			US 1999428588	A	19991027	
			US 2003389852	A	20030314	
US 20030182659	A1	20030925	US 1995428809	A	19950424	200364 E
			US 1999368198	A	19990804	
			US 1999428588	A	19991027	
			US 2003390055	A	20030314	
US 20030182660	A1	20030925	US 1995428809	A	19950424	200364 E
			US 1999368198	A	19990804	
			US 1999428588	A	19991027	



US 20030182661	A1	20030925	US 2003390056	A	20030314		
			US 1995428809	A	19950424	200364	E
			US 1999368198	A	19990804		
			US 1999428588	A	19991027		
US 20030188313	A1	20031002	US 2003390510	A	20030314		
			US 1993119367	A	19930909	200365	E
			US 1994247101	A	19940520		
			US 1995428809	A	19950424		
			US 1999428588	A	19991027		
US 20030188314	A1	20031002	US 1995428809	A	19950424	200365	E
			US 1999368198	A	19990804		
			US 1999428588	A	19991027		
			US 2003390066	A	20030314		
US 20030196203	A1	20031016	US 1995428809	A	19950424	200369	E
			US 1999368198	A	19990804		
			US 1999428588	A	19991027		
			US 2003420062	A	20030417		
US 20030204847	A1	20031030	US 1995428809	A	19950424	200372	E
			US 1999368198	A	19990804		
			US 1999428588	A	19991027		
			US 2003434844	A	20030509		
JP 3474578	B2	20031208	JP 1996532681	A	19960424	200401	E
			WO 1996US5729	A	19960424		
JP 2004104809	A	20040402	JP 2001297745	A	19960424	200424	E
			JP 2003322265	A	20030912		
CA 2466894	A1	19961031	CA 2413051	A	19960424	200449	E
			CA 2466894	A	19960424		
US 6771317	B2	20040803	US 1993119367	A	19930909	200451	E
			US 1994247101	A	19940520		
			US 1995428809	A	19950424		
			US 1999428588	A	19991027		
EP 823179	B1	20040811	EP 1996913121	A	19960424	200452	E
			WO 1996US5729	A	19960424		
DE 69633123	E	20040916	DE 69633123	A	19960424	200461	E
			EP 1996913121	A	19960424		
			WO 1996US5729	A	19960424		
EP 1467566	A2	20041013	EP 1996913121	A	19960424	200467	E
			EP 200415821	A	19960424		
ES 2229265	T3	20050416	EP 1996913121	A	19960424	200528	E
JP 2005192236	A	20050714	JP 2003322265	A	19960424	200546	E
			JP 200528257	A	20050203		
JP 2005192237	A	20050714	JP 2003322265	A	19960424	200546	E
			JP 200528258	A	20050203		
DE 69633123	T2	20050728	DE 69633123	A	19960424	200549	E
			EP 1996913121	A	19960424		
			WO 1996US5729	A	19960424		
JP 2005204325	A	20050728	JP 2003322265	A	19960424	200549	E
			JP 200528256	A	20050203		
JP 3812671	B2	20060823	JP 2001297745	A	19960424	200655	E
			JP 2003322265	A	20030912		

Priority Applications (no., kind, date): US 2003434844 A 20030509; US 2003420062 A 20030417; US 2003390510 A 20030314; US 2003390066 A 20030314; US 2003390056 A 20030314; US 2003390055 A 20030314; US 2003389852 A 20030314; US 2000604326 A 20000626; AU 200014923 A 20000204; US 1999428588 A 19991027; US 1999368198 A 19990804; US 1994247101 A 19940520; US 1993119367 A 19930909; US 1995428809 A 19950424

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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DE 69633123	E	DE		Application EP 1996913121
				PCT Application WO 1996US5729
				Based on OPI patent EP 823179
				Based on OPI patent WO 1996034491
EP 1467566	A2	EN		Division of application EP 1996913121
				Division of patent EP 823179
Regional Designated States, Original: AT BE CH DE DK ES FI FR GB GR IE IT				
LI LU MC NL PT SE				
ES 2229265	T3	ES		Application EP 1996913121
				Based on OPI patent EP 823179
JP 2005192236	A	JA	58	Division of application JP 2003322265
JP 2005192237	A	JA	56	Division of application JP 2003322265
DE 69633123	T2	DE		Application EP 1996913121
				PCT Application WO 1996US5729
				Based on OPI patent EP 823179
				Based on OPI patent WO 1996034491
JP 2005204325	A	JA	57	Division of application JP 2003322265
JP 3812671	B2	JA	57	Division of application JP 2001297745
				Previously issued patent JP 2004104809

**Alerting Abstract WO A1**

The system comprises a television receiver (12) for receiving broadcast, satellite or cablecast television programmes for several TV channels. A data processor (16) receives and stores in a memory (18) television programme schedule information for several programmes. A remote control (31) is used by the viewer for issuing control commands. A **video** display generator (23) receives the **video** display control commands from the data processor and programme schedule information from the memory and displays a portion of the programme schedule information on the television receiver (27).

The displayed programme schedule information indicates the availability of a product or service associated with the programme. The data processor causes the display generator to display information describing the product in response to a first **user** control command. Pref. the data processor generates an order for the product in response to a second **user** control command.

USE/ADVANTAGE - E.g. interactive home shopping service. Improved display and linking of **video** promotions with programme schedule information and order processing functions. Allows **user** to select from several display formats, for programme schedule information. Capable of setting programmable reminder messages for any future programme. Provides **user** with comprehensive information about pay-per-view events and premium services to which **user** does not subscribe and is capable of automatically **purchasing** such programming on-demand. Enables **user** to view broadcast programme while at the same time interactively viewing programme schedule information for other programmes. Provides password control for access to individual programmes/channels using protected, interactive, flexible and uncomplicated on-screen interface. Allows **user** to access his current billing information on-demand.

**Title Terms/Index Terms/Additional Words:** ELECTRONIC; TELEVISION; PROGRAMME ; GUIDE; SCHEDULE; SYSTEM; **VIDEO** ; DISPLAY; GENERATOR; CONTROL; RESPOND; **USER** ; COMMAND; INDICATE; AVAILABLE; PRODUCT; SERVICE; ASSOCIATE; PROGRAM

**Class Codes**

International Classification (Main): H04N-005/445, H04N-007/025,  
H04N-007/173  
(Additional/Secondary): **G06F-017/60**, G07F-017/40, H04H-001/02,  
H04N-005/00, H04N-005/44, H04N-007/081, H04N-007/08, H04N-007/16  
International Classification (+ Attributes)

IPC + Level Value Position Status Version

A63F-0013/12 A I R 20060101  
**G06Q-0010/00** A I R 20060101  
H04N-0005/445 A I R 20060101  
H04N-0005/445 A N R 20060101  
H04N-0005/50 A N R 20060101  
H04N-0007/025 A I R 20060101  
H04N-0007/08 A I R 20060101  
H04N-0007/088 A I R 20060101  
H04N-0007/16 A I R 20060101  
H04N-0007/173 A I R 20060101  
**G06Q-0030/00** A I F B 20060101  
H04N-0005/44 A I L B 20060101  
H04N-0007/173 A I L B 20060101  
A63F-0013/12 C I R 20060101  
**G06Q-0010/00** C I R 20060101  
H04N-0005/445 C I R 20060101  
H04N-0005/445 C N R 20060101  
H04N-0005/50 C N R 20060101  
H04N-0007/025 C I R 20060101  
H04N-0007/08 C I R 20060101  
H04N-0007/087 C I R 20060101  
H04N-0007/16 C I R 20060101  
H04N-0007/173 C I R 20060101

US Classification, Issued: 725040000, 725060000, 725060000, 725060000,  
725060000, 725060000, 725060000, 725039000, 725060000, 725060000,  
725042000, 348906000, 348570000, 725040000, 725060000, 348564000,  
725060000, 348569000, 348906000, 725061000, 348563000, 348460000,  
725060000, 348569000

File Segment: EPI;

DWPI Class: W02

Manual Codes (EPI/S-X): W02-F05A3C; W02-F05B5

**19/5/28 (Item 28 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0007476819 - Drawing available

WPI ACC NO: 1996-087785/199609

Related WPI Acc No: 1997-109121

XRPX Acc No: N1996-073594

**Wireless remote control of interactive, partic. storage, printed media -  
uses remote device with button-switch and contg., e.g., printed media  
supporting circuitry, for transmitting signal to control host appts.**

Patent Assignee: REDFORD P M (REDF-I); STERN D S (STER-I); TV INTERACTIVE  
CORP (TVIN-N); TV INTERACTIVE DATA CORP (TVIN-N)

Inventor: REDFORD P M; STERN D S

**Patent Family** (17 patents, 22 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1996001464	A1	19960118	WO 1995US7867	A	19950630	199609 B
AU 199529464	A	19960125	AU 199529464	A	19950630	199618 E

US 5597307	A	19970128	US 1994269492	A	19940701	199710	E
			US 1995439562	A	19950511		
EP 769182	A1	19970423	EP 1995925280	A	19950630	199721	E
			WO 1995US7867	A	19950630		
US 5624265	A	19970429	US 1994269492	A	19940701	199723	E
US 5749735	A	19980512	US 1994269492	A	19940701	199826	E
			US 1995552836	A	19951103		
KR 1997704192	A	19970809	WO 1995US7867	A	19950630	199836	E
			KR 1996707635	A	19961230		
US 5788507	A	19980804	US 1994269492	A	19940701	199838	E
			US 1995556792	A	19951102		
US 5795156	A	19980818	US 1994269492	A	19940701	199840	E
			US 1995551686	A	19951101		
US 5839905	A	19981124	US 1994269492	A	19940701	199903	E
			US 1995550976	A	19951031		
US 5911582	A	19990615	US 1994269492	A	19940701	199930	E
			US 1996590043	A	19960205		
US 5957695	A	19990928	US 1994269492	A	19940701	199947	E
			US 1996601936	A	19960215		
JP 2000510614	W	20000815	WO 1995US7867	A	19950630	200044	E
			JP 1996503888	A	19950630		
US 6249863	B1	20010619	US 1994269492	A	19940701	200137	E
			US 1996601936	A	19960215		
			US 1999304623	A	19990503		
CN 1156511	A	19970806	CN 1995194827	A	19950630	200138	E
US 20010018737	A1	20010830	US 1994269492	A	19940701	200151	E
			US 1996601936	A	19960215		
			US 1999304623	A	19990503		
			US 2001814559	A	20010322		
US 6418532	B2	20020709	US 1994269492	A	19940701	200253	E
			US 1996601936	A	19960215		
			US 1999304623	A	19990503		
			US 2001814559	A	20010322		

Priority Applications (no., kind, date): US 2001814559 A 20010322; US 1999304623 A 19990503; US 1996601936 A 19960215; US 1996590043 A 19960205; US 1995552836 A 19951103; US 1995556792 A 19951102; US 1995551686 A 19951101; US 1995550976 A 19951031; US 1995439562 A 19950511; US 1994269492 A 19940701

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1996001464	A1	EN	159		
National Designated States, Original: AU CA CN JP KR					
Regional Designated States, Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
AU 199529464	A	EN			Based on OPI patent WO 1996001464
US 5597307	A	EN	64	9	Division of application US 1994269492
EP 769182	A1	EN	159	9	PCT Application WO 1995US7867
Based on OPI patent WO 1996001464					
Regional Designated States, Original: DE FR GB NL					
US 5624265	A	EN	65		
US 5749735	A	EN			Division of application US 1994269492
KR 1997704192	A	KO			Division of patent US 5624265
PCT Application WO 1995US7867					
Based on OPI patent WO 1996001464					
US 5788507	A	EN			Division of application US 1994269492
Division of patent US 5624265					

US 5795156	A	EN		Division of application US 1994269492
				Division of patent US 5624265
US 5839905	A	EN		Division of application US 1994269492
				Division of patent US 5624265
US 5911582	A	EN		Division of application US 1994269492
				Division of patent US 5624265
US 5957695	A	EN		Division of application US 1994269492
				Division of patent US 5624265
JP 2000510614	W	JA	225	PCT Application WO 1995US7867
				Based on OPI patent WO 1996001464
US 6249863	B1	EN		Division of application US 1994269492
				Division of application US 1996601936
				Division of patent US 5624265
				Division of patent US 5957695
US 20010018737	A1	EN		Division of application US 1994269492
				Division of application US 1996601936
				Continuation of application US
1999304623				Division of patent US 5624265
				Division of patent US 5957695
US 6418532	B2	EN		Division of application US 1994269492
				Division of application US 1996601936
				Continuation of application US
1999304623				Division of patent US 5624265
				Division of patent US 5957695
				Continuation of patent US 6249863

**Alerting Abstract WO A1**

A remote control (100) for interactive media, e.g., a printed (101) book, magazine or catalogue, contains one or more push-button switches (104). The switches are physically attached to the printed publication, and allow a **user** to control stored (132) associated **electronic content** (133) by means of host appts. (120).

The button-switches are labelled with visual indications of text or graphic content in the publication. Switch operation transmits a wireless signal to the host appts., which displays the required information. In place of printed media, local storage media such as compact/floppy discs, **game** cartridges or memory cards may be used.

USE/ADVANTAGE - Simply-operated, foolproof, remote control of interactive multi-media storage devices such as books, easily operated by pre-school children without adult supervision, enabling also speedy authoring of interactive applications for children, and having wide range of other adaptive uses.

**Title Terms/Index Terms/Additional Words:** WIRELESS; REMOTE; CONTROL; INTERACT; STORAGE; PRINT; MEDIUM; DEVICE; BUTTON; SWITCH; CONTAIN; SUPPORT; CIRCUIT; TRANSMIT; SIGNAL; HOST; APPARATUS

**Class Codes**

International Classification (Main): G05B-015/02, G06F-003/02, G06F-009/445, G09B-001/00, G09B-019/00, G09B-005/00

(Additional/Secondary): A63F-013/06, B42D-001/00, G05B-019/18, G06F-013/00

, G06F-015/00, G06F-017/00, **G06F-017/30**, G06F-003/00, G06F-009/24,  
 G06G-007/48, G08B-009/00, G08C-019/12, G09C-001/00, G09G-005/00,  
 H04H-001/00, H04L-017/02, H04Q-009/00  
 US Classification, Issued: 713002000, 709219000, 434118000, 434307000,  
 434365000, 364130000, 434307000, 434317000, 434365000, 340825720,  
 348734000, 369024000, 345158000, 455004100, 463001000, 434307000,  
 434317000, 434365000, 340825720, 463001000, 463063000, 348734000,  
 369024000, 434307000, 434317000, 434365000, 340825720, 463001000,  
 463043000, 348734000, 369024000, 434118000, 434307000, 434365000,  
 707531000, 395681000, 364130000, 434307000, 434365000, 340825720,  
 348734000, 463001000, 434307000, 434317000, 434365000, 340825720,  
 463001000, 463013000, 348734000, 369024000, 434307000, 434118000,  
 434365000, 380024000, 340825330, 455004200, 713001000, 434118000,  
 434307000, 713002000

File Segment: EngPI; EPI;

DWPI Class: T01; W02; W04; P36; P76; P85

Manual Codes (EPI/S-X): T01-J09; T01-P01; W02-F05A3C; W04-E04A; W04-K05

**19/5/29 (Item 29 from file: 350)**

DIALOG(R) File 350: Derwent WPIX

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0006604849 - Drawing available

WPI ACC NO: 1993-076735/199309

XRPX Acc No: N1993-058942

**Purchase managing device for products and services - uses computer in  
 hand-held unit to allow entry and processing of requirements, and  
 electronic communication with external devices**

Patent Assignee: GERBAULET J (GERB-I)

Inventor: GERBAULET J

**Patent Family** (7 patents, 18 countries)

Patent				Application			
Number	Kind	Date	Number	Kind	Date	Update	
WO 1993003447	A1	19930218	WO 1992FR778	A	19920807	199309	B
FR 2680255	A1	19930212	FR 199110168	A	19910809	199315	E
EP 598838	A1	19940601	EP 1992918479	A	19920807	199421	E
			WO 1992FR778	A	19920807		
EP 598838	B1	19951025	EP 1992918479	A	19920807	199547	E
			WO 1992FR778	A	19920807		
DE 69205686	E	19951130	DE 69205686	A	19920807	199602	E
			EP 1992918479	A	19920807		
			WO 1992FR778	A	19920807		
ES 2081627	T3	19960316	EP 1992918479	A	19920807	199618	E
US 5544040	A	19960806	WO 1992FR778	A	19920807	199637	E
			US 1994193100	A	19940630		

Priority Applications (no., kind, date): FR 199110168 A 19910809

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1993003447	A1	FR	29	12	
National Designated States, Original: CA JP US					
Regional Designated States, Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE					
EP 598838	A1	FR	29	12	PCT Application WO 1992FR778 Based on OPI patent WO 1993003447
Regional Designated States, Original: BE CH DE ES FR GB IT LI NL					
EP 598838	B1	FR	15	12	PCT Application WO 1992FR778 Based on OPI patent WO 1993003447

Regional Designated States, Original: BE CH DE ES FR GB IT LI NL  
DE 69205686 E DE Application EP 1992918479  
PCT Application WO 1992FR778  
Based on OPI patent EP 598838  
Based on OPI patent WO 1993003447  
ES 2081627 T3 ES Application EP 1992918479  
Based on OPI patent EP 598838  
US 5544040 A EN 10 12 PCT Application WO 1992FR778  
Based on OPI patent WO 1993003447

**Alerting Abstract WO A1**

The purchasing management device has a computer housed in a hand-held box with a keyboard (16,17) and display panel (19) on the front. Items to be purchases are entered at the keyboard, and prices displayed and totalled.

The computer can generate repeated purchase lists together with pricing, and compare expenses against budgets. Lists can be compared, and repeated items detected and deleted. The order can be printed out (14) or electronically transferred to other devices.

USE/ADVANTAGE - Allows interactive user control of purchase transactions, between vendor and purchaser.

**Title Terms/Index Terms/Additional Words:** PURCHASE; MANAGE; DEVICE; PRODUCT ; SERVICE; COMPUTER; HAND; HELD; UNIT; ALLOW; ENTER; PROCESS; REQUIRE; ELECTRONIC; COMMUNICATE; EXTERNAL

**Class Codes**

International Classification (Main): G06F-013/38, G06F-015/24, G06F-017/60, G06F-019/00  
(Additional/Secondary): G06F-015/21  
US Classification, Issued: 364401R00

File Segment: EPI;

DWPI Class: T01; T04; T05

Manual Codes (EPI/S-X): T01-J05A; T04-F05; T05-L01D

**19/5/30 (Item 30 from file: 347)**

DIALOG(R)File 347:JAPIO

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08026681 \*\*Image available\*\*

SERVICE PROVIDING SYSTEM AND RELATED DEVICE, METHOD, RECORDING MEDIUM OR PROGRAM

PUB. NO.: 2004-139440 [JP 2004139440 A]

PUBLISHED: May 13, 2004 (20040513)

INVENTOR(s): SAITO ASAKO  
IINO DAISUKE  
FUJITA KENICHI

APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD

APPL. NO.: 2002-304790 [JP 2002304790]

FILED: October 18, 2002 (20021018)

INTL CLASS: **G06F-017/60** ; G06F-015/00

**ABSTRACT**

PROBLEM TO BE SOLVED: To provide a device for displaying information equipped with functions to **purchase** and use an **electronic content** such as an electronic book and **music**, which **allows** a **user** to **purchase** and **use** an **electronic content** from a shop shelf in an accumulation medium where contents are accumulated beforehand, when the

**user** wants to use the **electronic content** while away from home.

SOLUTION: The display device that has a screen to display a **user** shelf showing a **list** of **purchased** contents and a shop shelf showing a **list** of contents to be **purchased**, comprises: an entry part to accept a **user** 's operation for the contents on the displayed **user** shelf or shop shelf; a shelf function execution part to process the **user** 's operation accepted by the entry part; a settlement information managing part to manage records of **purchase** and return; a shelf display executing part to display the shop shelf and **user** shelf screens; and a content reproducing part to reproduce a content.

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